



45 years Agriculture Statistics of Major Crops (Aus, Amon, Boro, Jute, Potato & Wheat)

January 2018



Bangladesh Bureau of Statistics (BBS)
Statistics and Informatics Division (SID)
Ministry of Planning

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AHM Mustafa Kamal, FCA, MP
Minister
Ministry of Planning
Government of the People's Republic of Bangladesh



MESSAGE

Agriculture plays a pivotal role in the economy of Bangladesh. This sector alone contributes more than 15% of annual GDP of the country. In addition, it offers both the opportunities of employment and livelihood to a large extent. The performance of this sector has impacted on micro economics also maintained progress in SDG goals.

I am happy to know that Bangladesh Bureau of Statistics is going to publish the “45 years Agriculture Statistics of Major Crops (Aus, Amon, Boro, Jute, Potato and Wheat)”. It is large volume of secondary data of Major Crops in Bangladesh. This publication is providing opportunity for stakeholders or researchers to plan, review data needs, evaluate the degree of integration of the agricultural sector.

I take the opportunity to extend my cordial thanks to Mr. Saurendra Nath Chakrabhartty, Secretary, Statistics and Informatics Division (SID), Ministry of Planning for his effective guidance for developing this publication. I also thank Mr. Md. Amir Hossain, Director General, BBS and all other officials who were involved in preparation of this document for their efforts.

I hope that this report will be great benefit to the users and stakeholders in understanding the progress of this sector and to take necessary steps for its development.

Dhaka,
January, 2018

AHM Mustafa Kamal, FCA, MP



M.A. Mannan, MP
Minister of State
Ministry of Planning
And
Ministry of Finance
Government of the People's Republic of
Bangladesh



MESSAGE

It is a great pleasure for me to know that Bangladesh Bureau of Statistics (BBS) has successfully prepared “45 years Agriculture Statistics of Major Crops (Aus, Amon, Boro, Jute, Potato and Wheat)” under the overall guidance of Statistics and Informatics Division (SID).

It is worth mentioning that the economy of Bangladesh depends largely on the broad agriculture sector. Reliable statistics is indispensable for policy formulation of this sector. I believe that the 45 years Agriculture Statistics of Major Crops (Aus, Amon, Boro, Jute, Potato and Wheat)” will provide data significantly to the policy makers and other stakeholders in this field and measuring SDG's goal.

I hope this report will be a useful guideline or reference for the concerned ministries, and departments those interested in improving the current agricultural statistics using modern technologies.

I would like to thank Mr. Saurendra Nath Chakrabhartty, Secretary, Statistics and Informatics Division, Ministry of Planning for his guidance for this strategic plan.

I also appreciate Mr.Md. Amir Hossain, Director General, BBS and his colleagues for preparing and publishing this agriculture statistics at the shortest possible time.

Dhaka,
January, 2018

M.A. Mannan, MP



Secretary
Statistics and Informatics Division (SID)
Ministry of Planning
Government of the People's Republic of Bangladesh

FOREWORD

The agricultural and rural sector in Bangladesh has particular importance for the sustained food and livelihood security of its large, dense and ever-growing population. The agricultural activities in the country are pursued intensively for the crop as well as allied sectors and in conditions of scarce natural resources. The statistics Act 2013 stressed on the availability of statistics of the broad agricultural sector for planning and policy making. The National Strategy for the Development of Statistics (NSDS) also suggested for the development of a unified National Statistical System (NSS) in Bangladesh to meet the crying needs of statistics focusing evidence based policy making for the development of the country.

With the perview of development of agricultural statistics in the country, Bangladesh Bureau of Statistics (BBS) of the Statistics and Informatics Division (SID), Ministry of Planning as National Statistical Organization has taken necessary measures to improve the quality of statistics and enhance the coverage of agricultural statistics.

This is the first time Bangladesh Bureau of statistics take initiative to publish 45 years agricultural data in a publication. This publication contain major crops data from 1969-70 to 2014-15. This publication highlights data on major crops (Aus, Amon, Boro, Jute, Potatoand Wheat) area and production.

This publication covers a wide spectrum of statistics and indicators belonging to serve as a reference guide to policy-makers, economists, analysts, academics, educationists, researchers and other stakeholders. I hope this publication will be very useful in understanding the wide variety of perspectives of this sector.

I appreciate the work carried out by Bangladesh Bureau of Statistics (BBS) and would like to express my sincere thanks to Mr. Md. Amir Hossain (Additional Secretary) Director General, BBS for his active stewardship in this case. I also acknowledge hard works and the sincere efforts of officials of AgricultureWing of BBS who were involved in this exercise. I expect that the users shall continue providing valuable feedback and suggestions for further improvement of such publication since BBS has been striving for excellence

Dhaka,
January, 2018

Saurendra Nath Chakrabhartty
Secretary



Director General (DG)
Bangladesh Bureau of Statistics (BBS)

PREFACE

Agriculture and Rural sectors play the pivotal role in the economic development of the country. For better planning, we need reliable statistics. Bangladesh Bureau of Statistics (BBS) has successfully prepared “45 years Agriculture Statistics of Major Crops (Aus, Amon, Boro, Jute, Wheat and Potato)”. Bangladesh Bureau of Statistics (BBS) provides agriculture statistics through this publication for the first time. Agriculture Wing of Bangladesh Bureau of Statistics is responsible for accumulating, compiling and disseminating major crops (Aus, Amon, Boro, Jute, potato and wheat) statistics and other agriculture related data. This report contains statistics on crop production area, Estimates and yield rate from 1969-70 to 2014-15.

I express my gratitude and sincere thanks to Mr. Saurendra Nath Chakrabhartty, Secretary, Statistics and Informatics Division, Ministry of Planning for his active guidance and support. I appreciate Mr. Abul Basher Md. Arshad Hossain, Deputy Director General, BBS for providing his valuable efforts for finalizing the report. I also express my special thanks to Mr. Jafor Ahmed Khan, Director, Agriculture Wing, BBS for final compilation of this report. I would like to extend my sincere thanks to all officers and staff of Agriculture Wing for their hard work on preparing this publication.

I hope this book will be very useful to the planners, researchers, policy makers, NGOs, development partners and other users in their endeavours towards the agricultural development of the country. Any comment and suggestion for further improvement of this publication will be highly appreciated.

Dhaka
January, 2018

Md. Amir Hossain
(Additional Secretary)



Director
Agriculture Wing
Bangladesh Bureau of Statistics

ACKNOWLEDGEMENTS

I would like to express my sincere gratitude to Saurendra Nath Chakrabhartty, Secretary, Statistics and Informatics Division, Ministry of Planning for his continuous support and guidelines for preparing the ‘45 years Agriculture Statistics’ of Major Crops (Aus, Amon, Boro, Jute, Potato and Wheat)’.

I am indebted to Mr. Md Amir Hossain, Director General, BBS for his all-out support and contribution to implement this valuable task. I deeply acknowledge the encouragement and continuous support of Mr. Abul Basher Md. Arshad Hossain, Deputy Director General for successfully completing this publication.

I acknowledge the valuable contributions and suggestions of Mr. Bidhan Baral, Director of FA & MIS (Finance), BBS deserves special thanks for his significant effort. I also thank to Mr. Md. Abdul Halim, Deputy Director and Ms. Shaleha Khatun, Deputy Director, Mr. Md. Akther Hassan Khan, Deputy Director, Ayeasha Akther Mily, Statistical Officer of Agriculture Wing, BBS for their hard work and significant contribution to make this report successful.

I believe that the “45 years Agriculture Statistics of Major Crops (Aus, Amon, Boro, Jute, Potato and Wheat)” will be very timely in wide spectrum of statistics and indicators belonging to serve as a guide for policy-makers, economists, analysts, academics, educationists, researchers and other stakeholders.

Dhaka
January, 2018

Jafor Ahmed Khan
Director
(Joint Secretary)

Contents

MESSAGE.....	5
FOREWORD.....	9
PREFACE.....	11
ACKNOWLEDGEMENTS.....	13
EXECUTIVE SUMMARY.....	17
CHAPTER I: Rice.....	19
1.1 Forty Five Years Production Statistics of Rice (Husked Rice).....	21
1.2 Line Graph of Total rice.....	23
1.3 Forty Five Years Production Statistics of AUS Rice (Husked Rice).....	24
1.4 Line Graph of AUS rice.....	26
1.5 Estimates of Aus rice.....	27
1.6 Forty Five Years Production Statistics of AMON Rice (Husked Rice).....	55
1.7 Line Graph of AMON rice production.....	58
1.8 Estimates of Amon rice.....	59
1.9 Forty Five Years Production Statistics of Boro.....	88
1.10 Line Graph of Boro rice production.....	90
1.11 Estimates of Boro rice.....	91
CHAPTER II: Jute.....	124
2.1 Forty Five Years Production Statistics of jute.....	127
2.2 Line Graph of Jute production.....	129
2.3 Estimates of Jute rice.....	130
CHAPTER III: Potato.....	148
3.1 Forty Five Years Production Statistics Potato.....	150
3.2 Line Graph of Potato.....	151
3.3 Estimates of Potato.....	152
Chapter IV: Wheat.....	190
4.1 Forty Five Years Production Statistics of Wheat.....	192
4.2 Line Graph of Wheat production.....	193
4.3 Estimates of Whea.....	195
References.....	216

Executive Summary

Agriculture remains the most important sector of Bangladeshi economy, contributing more than 15% percent to the national GDP and providing employment for 43% percent of the population. In Bangladesh there are 6 main crops – Aus, Aman, Boro, Jute, Wheat and Potato. Rice is the staple food in the everyday diet of Bangladeshis. There are three types of rice namely Aus, Aman and Boro. Rice, Wheat & Potato play an important role in achieving self-sufficiency in food production. Jute, often called the "golden fibre" of Bengal, is one of the main export-earner for Bangladeshi agriculture, as Bangladesh remains the world's second-largest producer of jute (after India) and the world's largest exporter of fiber.

Bangladesh Bureau of Statistics provides reliable statistics of crops for six major crops and minor crops since its inception in 1974. BBS also provides bulk of data on crop sub-sector through conducting Agriculture Census that is mainly concerned with crop data and limited data of fisheries and livestock sub-sectors. According to Statistics Act 2013, agriculture census will cover all crops, fisheries and livestock sub-sectors with due importance

45 years Agriculture Statistics of Major Crops (Aus, Aman, Boro, Jute, Potato and Wheat) is published with the data from 1969-70 up to 2014-15. This is the single largest source of agricultural series data. The major part of the report and relevant statistics that are collected from Yearbook of Agricultural Statistics, which is other publication of BBS.

The time series data (forty five year) on annual production Estimates like area under crop and total production of six major crops (aus, aman, boro, wheat, potato & jute) have been published in this report.

CHAPTER I

RICE

Rice is the staple food of about 150 million people of Bangladesh. It provides nearly 48% of rural employment, about two-third of total calorie supply and about one-half of the total protein intakes of an average person in the country. Rice sector contributes one-half of the agricultural GDP and one-sixth of the national income in Bangladesh.



Rice is the seed of the grass species *Oryza sativa* (Asian rice) or *Oryza glaberrima* (African rice). As a cereal grain, it is the most widely consumed staple food for a large part of the world's human population, especially in Asia. It is the agricultural commodity with the third-highest worldwide production.

Rice cultivation is well-suited to countries and regions with low labor costs and high rainfall, as it is labor-intensive to cultivate and requires ample water. However, rice can be grown practically anywhere, even on a steep hill or mountain area with the use of water-controlling terrace systems. Although its parent species are native to Asia and certain parts of Africa, centuries of trade and exportation have made it commonplace in many cultures worldwide.



Rice planting



Ripe rice



Rice harvesting

The traditional method for cultivating rice is flooding the fields while, or after, setting the young seedlings. This simple method requires sound planning and servicing of the water damming and channeling, but reduces the growth of less robust weed and pest plants that have no submerged growth state, and deters vermin. While flooding is not mandatory for the cultivation of rice, all other

methods of irrigation require higher effort in weed and pest control during growth periods and a different approach for fertilizing the soil.

Harvesting starts soon after the crop ripens to prevent rot or damage from weather or insects. Rice ripens in different times of the year, depending on variety, so that harvesting of one may begin while the other is yet to mature. In Bangladesh the harvesting time of rice in different seasons are: Aus (July-August), broadcast Aman (November-December), transplanted Aman (November-January), local boro (April-May), and high yielding boro (May-June). Harvesting can either be done manually with the use of hand harvesting tools, or mechanically, by harvesting machines (reaper, harvesters). In Bangladesh rice harvesting is done manually, using sickles (kanchi), consisting of a wooden handle and a knife blade (made of mild steel), the base of which is pushed into the wooden handle. The blade may be 20-30 cm long, having a serrated edge (15 serration per 2.5 cm, with teeth 1 mm long).

After harvesting it needs to process to get rice from the plant. Processing is done either manually or help of machine. After collecting rice now it dries in sun light for storage properly, otherwise it may affect by bacteria or fungus.

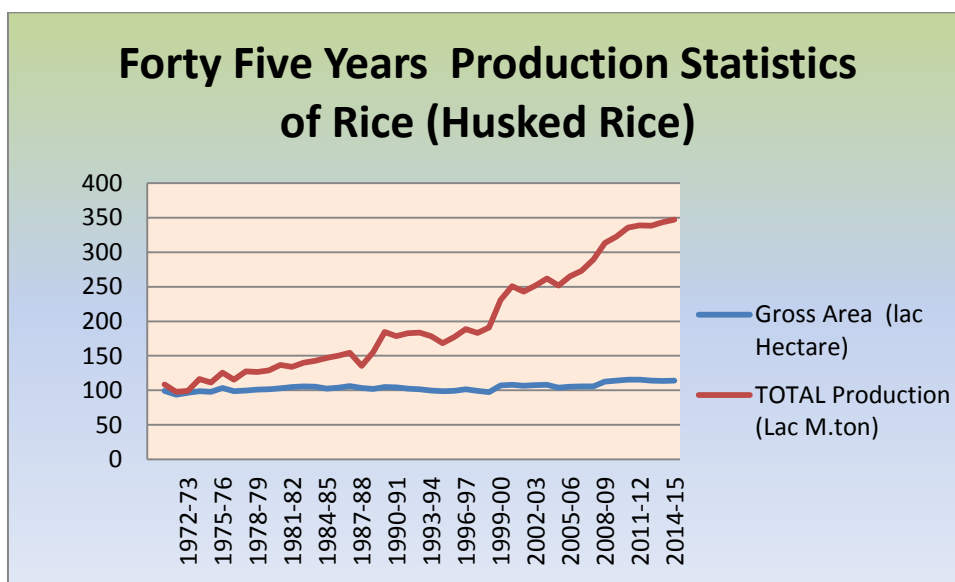
Rice is our major food which is use as different recipe. Using rice a wide range of delicious foods being produced in Bangladesh. Among them vat, muri, khai, biriani, polao, morog-polar, kacchi-biriani, payesh are produced widely. As a Bengali Nation we use different recipe of rice mostly as our daily foods. Rice is a nutritious and a carbohydrate food.

1.1 Forty Five Years Production Statistics of AUS Rice (Husked Rice)

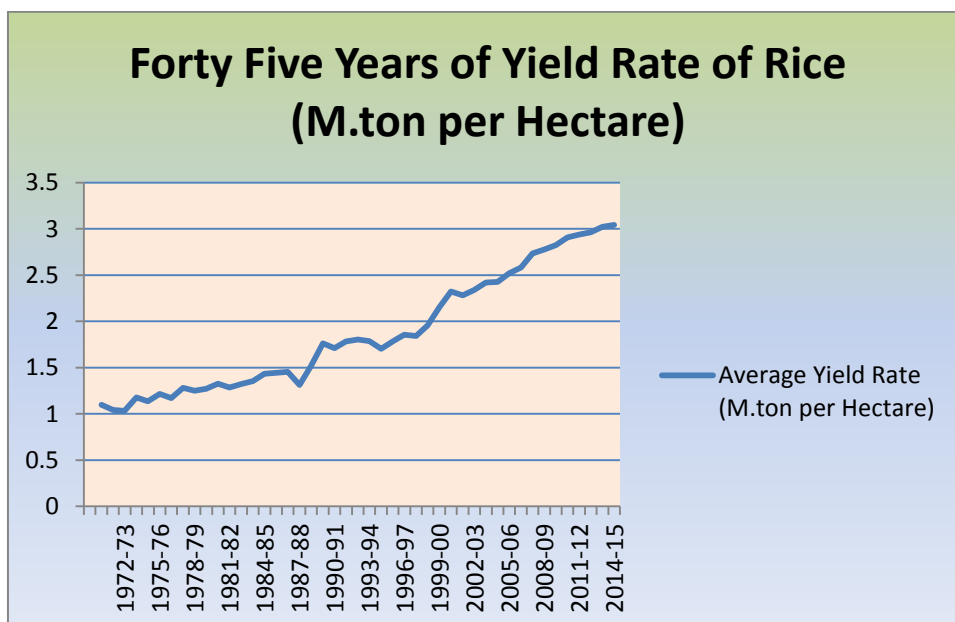
S.I no	Financial Year	AMAN Rice (Area lac Hectare)	AUS Rice (Area lac Hectare)	BORO Rice (Area lac Hectare)	Gross Area (lac Hectare)	AMAN Rice Production (Lac M.ton)	AUS Rice Production (Lac M.ton)	BORO Rice Production (Lac M.ton)	TOTAL Production (Lac M.ton)	Average Yield Rate (M.ton per Hectare)
1	1970-71	57.4	31.91	9.82	99.13	58.13	28.63	21.92	108.68	1.096
2	1971-72	54.74	30.02	8.84	93.6	56.96	23.43	17.37	97.76	1.044
3	1972-73	57.14	29.3	9.85	96.29	55.87	22.73	20.7	99.3	1.031
4	1973-74	57.19	31.08	10.5	98.77	66.99	28.02	21.2	116.21	1.177
5	1974-75	54.51	31.8	11.62	97.93	60	28.59	22.5	111.09	1.134
6	1975-76	57.61	34.21	11.48	103.3	70.45	32.3	22.85	125.6	1.216
7	1976-77	58.09	32.18	8.55	98.82	69.06	30.11	16.5	115.67	1.171
8	1977-78	57.07	31.63	10.94	99.64	74.24	31.03	22.39	127.66	1.281
9	1978-79	58.06	32.36	10.72	101.14	74.29	32.88	19.29	126.46	1.250
10	1979-80	59.7	30.29	11.41	101.4	75.53	28.07	25.37	128.97	1.272
11	1980-81	60.37	31.12	11.6	103.09	78.37	32.35	25.89	136.61	1.325
12	1981-82	60.11	31.46	13.02	104.59	70.95	32.18	31.02	134.15	1.283
13	1982-83	59.97	31.59	14.33	105.89	74.83	30.18	34.89	139.9	1.321
14	1983-84	60.08	31.39	14.01	105.48	78.12	31.71	32.97	142.8	1.354
15	1984-85	57.15	29.59	15.75	102.49	79.31	28.5	39.04	146.85	1.433
16	1985-86	60.33	28.45	15.34	104.12	85.39	28.27	36.71	150.37	1.444
17	1986-87	60.53	29.03	16.53	106.09	82.65	31.5	40.1	154.25	1.454
18	1987-88	55.69	27.89	19.63	103.21	76.9	11.16	47.31	135.37	1.312
19	1988-89	51.02	26.84	24.39	102.25	68.57	28.56	58.31	155.44	1.520
20	1989-90	57.04	22.62	25.11	104.77	92.02	24.87	67.67	184.56	1.762
21	1990-91	57.76	21.11	25.48	104.35	91.67	23.28	63.57	178.52	1.711
22	1991-92	56.93	19.16	26.35	102.44	92.69	21.79	68.04	182.52	1.782
23	1992-93	58.44	17.35	25.99	101.78	96.8	20.75	65.86	183.41	1.802
24	1993-94	57.51	16.5	25.81	99.82	94.29	18.5	65.72	178.51	1.788

S.I no	Financial Year	AMAN Rice (Area lac Hectare)	AUS Rice (Area lac Hectare)	BORO Rice (Area lac Hectare)	Gross Area (lac Hectare)	AMAN Rice Production (Lac M.ton)	AUS Rice Production (Lac M.ton)	BORO Rice Production (Lac M.ton)	TOTAL Production (Lac M.ton)	Average Yield Rate (M.ton per Hectare)
25	1994-95	55.59	16.66	26.64	98.89	85.04	17.91	65.44	168.39	1.703
26	1995-96	57.72	15.42	26.03	99.17	87.9	16.76	72.21	176.87	1.784
27	1996-97	58.03	15.92	27.83	101.78	95.52	18.71	74.6	188.83	1.855
28	1997-98	54.82	15.65	28.87	99.34	82.72	18.74	81.45	182.91	1.841
29	1998-99	48.65	14.24	34.74	97.63	72.17	16.17	102.75	191.09	1.957
30	1999-00	57.05	13.51	36.52	107.08	103.06	17.34	110.27	230.67	2.154
31	2000-01	57.1	13.25	37.62	107.97	112.49	19.16	119.21	250.86	2.323
32	2001-02	56.47	12.42	37.71	106.6	107.26	18.08	117.66	243	2.280
33	2002-03	56.82	12.44	38.45	107.71	111.15	18.51	122.22	251.88	2.339
34	2003-04	56.78	12.03	39.44	108.25	115.21	18.32	128.37	261.9	2.419
35	2004-05	52.8	10.25	40.64	103.69	98.2	15	138.37	251.57	2.426
36	2005-06	54.29	10.34	40.66	105.29	108.1	17.45	139.75	265.3	2.520
37	2006-07	54.16	9.06	42.58	105.8	108.41	15.12	149.65	273.18	2.582
38	2007-08	50.48	9.19	46.08	105.75	96.62	15.07	177.62	289.31	2.736
39	2008-09	54.98	10.66	47.16	112.8	116.13	18.95	178.09	313.17	2.776
40	2009-10	56.63	9.84	47.78	114.25	122.07	17.09	183.41	322.57	2.823
41	2010-11	56.46	11.13	47.71	115.3	127.91	21.33	186.17	335.41	2.909
42	2011-12	55.8	11.38	48.1	115.28	127.98	23.32	187.59	338.89	2.940
43	2012-13	56.1	10.53	47.6	114.23	128.97	21.58	187.78	338.33	2.962
44	2013-14	55.3	10.51	47.91	113.72	130.23	23.26	190.07	343.56	3.021
45	2014-15	55.3	10.45	48.4	114.15	131.9	23.28	191.92	347.1	3.041

1.2 Line Graph of Total rice production (Aus+Amon+Boro) and Area from fiscal year 1970-01 to 2014-15



Line Graph of Total rice average yield rate (Aus+Amon+Boro) from fiscal year 1970-01 to 2014-15

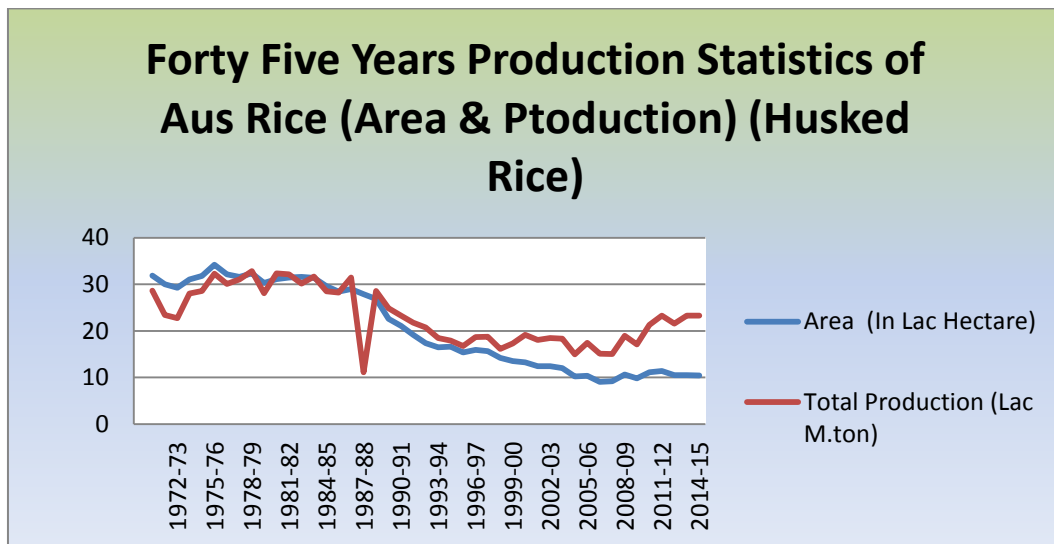


1.3 Forty Five Years Production Statistics of AUS Rice (Husked Rice)

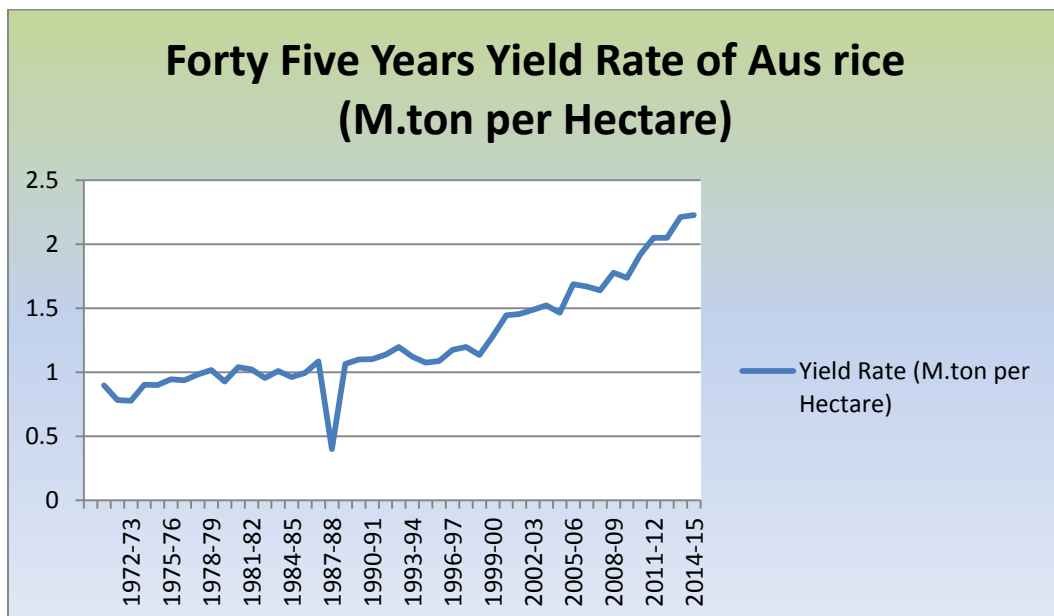
S.I no	Finacial Year	Area (In Acre)	Area (In Lac Hectare)	Total Production (M.ton)	Total Production (Lac M.ton)	Yield Rate (M.ton per Hectare)
1	1970-71	7884950	31.91	2863185	28.63	0.897
2	1971-72	7417935	30.02	2343400	23.43	0.781
3	1972-73	7240795	29.30	2273070	22.73	0.776
4	1973-74	7681045	31.08	2802035	28.02	0.901
5	1974-75	7856675	31.80	2858965	28.59	0.899
6	1975-76	8452365	34.21	3230100	32.30	0.944
7	1976-77	7951745	32.18	3011435	30.11	0.936
8	1977-78	7814910	31.63	3103190	31.03	0.981
9	1978-79	7995260	32.36	3287935	32.88	1.016
10	1979-80	7484620	30.29	2806613	28.07	0.927
11	1980-81	7688580	31.12	3234610	32.35	1.040
12	1981-82	7774085	31.46	3217945	32.18	1.023
13	1982-83	7804950	31.59	3017535	30.18	0.955
14	1983-84	7756140	31.39	3170585	31.71	1.010
15	1984-85	7312435	29.59	2850028	28.50	0.963
16	1985-86	7030120	28.45	2827231	28.27	0.994
17	1986-87	7172930	29.03	3149955	31.50	1.085
18	1987-88	6890690	27.89	1115779	11.16	0.400
19	1988-89	6631144	26.84	2855965	28.56	1.064
20	1989-90	5590225	22.62	2487330	24.87	1.099
21	1990-91	5216360	21.11	2327800	23.28	1.103
22	1991-92	4735180	19.16	2178520	21.79	1.137

S.I no	Finacial Year	Area (In Acre)	Area (In Lac Hectare)	Total Production (M.ton)	Total Production (Lac M.ton)	Yield Rate (M.ton per Hectare)
23	1992-93	4287230	17.35	2074890	20.75	1.196
24	1993-94	4076400	16.50	1850260	18.50	1.122
25	1994-95	4117430	16.66	1790730	17.91	1.075
26	1995-96	3810040	15.42	1676020	16.76	1.087
27	1996-97	3934720	15.92	1870750	18.71	1.175
28	1997-98	3867970	15.65	1874430	18.74	1.197
29	1998-99	3519480	14.24	1616880	16.17	1.135
30	1999-00	3339250	13.51	1733910	17.34	1.283
31	2000-01	3274770	13.25	1915600	19.16	1.445
32	2001-02	3069550	12.42	1807720	18.08	1.455
33	2002-03	3073360	12.44	1850700	18.51	1.488
34	2003-04	2971700	12.03	1831840	18.32	1.523
35	2004-05	2532130	10.25	1500470	15.00	1.464
36	2005-06	2555770	10.34	1745039	17.45	1.687
37	2006-07	2238805	9.06	1512325	15.12	1.669
38	2007-08	2270045	9.19	1506852	15.07	1.640
39	2008-09	2632965	10.66	1894557	18.95	1.778
40	2009-10	2431692	9.84	1709127	17.09	1.737
41	2010-11	2750015	11.13	2132821	21.33	1.916
42	2011-12	2812443	11.38	2332151	23.32	2.049
43	2012-13	2602297	10.53	2158238	21.58	2.049
44	2013-14	2597651	10.51	2326037	23.26	2.213
45	2014-15	2583303	10.45	2328090	23.28	2.227

1.4 Line Graph of Aus rice production and Area from fiscal year 1970-01 to 2014-15



Line Graph of Aus rice average yield reat from fiscal year 1970-01 to 2014-15



1.5 The Production, area & yield rate of Aus crops have been shown in table Estimates of Aus rice

Sl. No.	Districts Name	1969-70						1970-71						1971-72					
		Local		HYV		total		Local		HYV		Total		Local		HYV		Total	
		Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)
1	Dhaka	497100	182060	2025	2975	499125	185035	398970	142200	1780	3100	400750	145300	396150	138540	10165	11745	406315	150285
2	Kishoregonj	218200	53785	680	590	218880	54375	229955	77225	1225	1075	231180	78300	235750	58455	4835	4855	240585	63310
3	Mymensingh	1081300	316180	8670	9505	1089970	325685	701400	227875	8430	9935	709830	237810	701760	203910	18315	18360	720075	222270
4	Tangail	0	0	0	0	0	0	198130	59955	510	535	198640	60490	199200	67250	670	655	199870	67905
5	Faridpur	577000	164905	15	20	577015	164925	479420	142475	0	0	479420	142475	435560	117600	0	0	435560	117600
6	Chittagong	262700	119375	2075	2095	264775	121470	213695	96645	4095	3760	217790	100405	184775	83895	12545	11915	197320	95810
7	Chittagong H.T.	126000	56375	2710	3785	128710	60160	118230	39760	3380	4600	121610	44360	113550	41585	3785	2835	117335	44420
8	Noakhali	476700	152875	1590	1815	478290	154690	483770	171670	5500	6265	489270	177935	455605	135565	7770	8060	463375	143625
9	Comilla	561100	217040	5225	7005	566325	224045	551945	197145	12275	16335	564220	213480	493900	161295	8510	8655	502410	169950
10	Sylhet	356700	159730	3560	5230	360260	164960	345420	142740	9610	14285	355030	157025	317750	117310	11385	14770	329135	132080
11	Rajshahi	473400	172860	680	1000	474080	173860	462740	169730	660	1010	463400	170740	442275	131925	610	605	442885	132530
12	Dinajpur	478500	178590	5960	8595	484460	187185	484310	180965	5610	8185	489920	189150	298850	97925	4520	5120	303370	103045
13	Rangpur	905100	322510	1700	2475	906800	324985	915535	365810	1305	1975	916840	367785	913545	273170	3320	5310	916865	278480
14	Bogra	285500	94390	580	850	286080	95240	228315	80655	285	465	228600	81120	210245	57615	420	405	210665	58020
15	Pabna	414600	144840	215	310	414815	145150	324360	100310	120	175	324480	100485	324500	88210	125	105	324625	88315
16	Khulna	119700	49115	0	0	119700	49115	78445	27055	5195	6590	83640	33645	80035	25845	13440	14520	93475	40365
17	Bakergonj	468100	178145	2050	3010	470150	181155	507300	183425	1450	2340	508750	185765	457585	124895	3630	3855	461215	128750
18	Patuakhali	124400	36010	2340	3190	126740	39200	122375	27090	5295	7100	127670	34190	97335	25245	3810	4680	101145	29925
19	Jessore	634400	212070	1755	2275	636155	214345	631415	219010	5595	7505	637010	226515	621930	198305	4890	4905	626820	203210
20	Kushtia	358300	96080	1105	1375	359405	97455	329345	105110	7555	11100	336900	116210	316900	63445	7990	10060	324890	73505
	Bangladesh	8418800	2906935	42935	56100	8461735	2963035	7805075	2756850	79875	106335	7884950	2863185	7297200	2211985	120735	131415	7417935	2343400

Estimates of Aus Rice

Table:1.1.15

Sl. No.	Districts Name	1999-00						2000-01					
		Local		HYV		Total		Local		HYV		Total	
		Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)
1	Bandarban	25330	12130	6280	5450	31610	17580	24400	13810	5780	4060	30180	17870
2	Chittagong	53010	29070	53050	51090	106060	80160	52350	29450	54290	57510	106640	86960
3	Comilla	114900	44090	103500	73560	218400	117650	95240	53720	171220	143610	266460	197330
4	Khagrachari	810	350	1890	1330	2700	1680	490	290	3210	2540	3700	2830
5	Noakhali	128790	58940	93190	66610	221980	125550	135390	63830	83850	58220	219240	122050
6	Rangamati	6830	3890	4540	3430	11370	7320	6870	4030	4560	3330	11430	7360
7	Sylhet	175390	78630	174560	133970	349950	212600	236210	116210	160730	129230	396940	245440
8	Dhaka	111820	34940	11700	6050	123520	40990	105550	36330	11730	7840	117280	44170
9	Faridpur	373770	133240	40	30	373810	133270	317670	132810	40	30	317710	132840
10	Jamalpur	58940	19560	14820	8740	73760	28300	48460	21710	16680	10760	65140	32470
11	Kishoregonj	35270	14380	96410	67040	131680	81420	37920	18700	101830	76860	139750	95560
12	Mymensingh	96950	37060	97980	63600	194930	100660	72100	33450	114080	83120	186180	116570
13	Tangail	62680	21830	8720	4830	71400	26660	53190	16860	9020	5640	62210	22500
14	Barisal	273550	119260	79360	51600	352910	170860	270140	125840	87760	59520	357900	185360
15	Jessore	181910	81280	65980	53490	247890	134770	141740	72430	79130	80490	220870	152920
16	Khulna	30350	14850	21670	17850	52020	32700	20180	9950	11210	10720	31390	20670
17	Kushtia	133980	69970	43550	40570	177530	110540	117430	48960	55890	57060	173320	106020
18	Patuakhali	179760	76630	43750	35190	223510	111820	212410	108860	41080	37830	253490	146690
19	Bogra	1160	290	25210	17270	26370	17560	110	30	19620	13420	19730	13450
20	Dinajpur	32400	10340	39870	23780	72270	34120	10460	3400	31580	27440	42040	30840
21	Pabna	53390	21240	1580	640	54970	21880	59690	22440	770	430	60460	22870
22	Rajshahi	95160	42880	78950	61500	174110	104380	85810	40840	75200	58300	161010	99140
23	Rangpur	28490	10970	18010	10470	46500	21440	19290	6700	12410	6990	31700	13690
	Bangladesh	2254640	935820	1084610	798090	3339250	1733910	2123100	980650	1151670	934950	3274770	1915600

Note: From 1999-2000, separate pajar rice Estimates are not done. It is included in HYV

Estimates of Aus Rice

Table:1.1.16													
Sl. No.	Districts Name	2001-02						2002-03					
		Local		HYV		Total		Local		HYV		Total	
		Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)
1	Bandarban	18510	11010	4890	3010	23400	14020	20270	11880	5720	3730	25990	15610
2	Chittagong	55320	29670	58260	61060	113580	90730	52850	31210	65340	68220	118190	99430
3	Comilla	102330	57790	168730	141900	271060	199690	97980	55150	150940	126880	248920	182030
4	Khagrachari	1220	770	3980	3080	5200	3850	1390	1050	4400	3590	5790	4640
5	Noakhali	134380	60440	84610	69540	218990	129980	142170	71430	82630	62550	224800	133980
6	Rangamati	6920	3410	4190	3270	11110	6680	8560	4100	4120	3090	12680	7190
7	Sylhet	160270	88840	163280	126280	323550	215120	168280	81470	171220	137600	339500	219070
8	Dhaka	98380	38080	16470	10460	114850	48540	93030	32120	15360	10370	108390	42490
9	Faridpur	335910	129650	50	50	335960	129700	317020	127920	50	50	317070	127970
10	Jamalpur	36060	17420	15900	10590	51960	28010	30500	12990	16260	9940	46760	22930
11	Kishoregonj	31440	17690	71380	54620	102820	72310	25290	14820	69610	54380	94900	69200
12	Mymensingh	51670	24190	117550	90650	169220	114840	50420	19220	118300	85220	168720	104440
13	Tangail	48580	13360	10250	6430	58830	19790	44440	25910	11720	7850	56160	33760
14	Barisal	295810	145310	90350	65360	386160	210670	283260	130790	91710	65560	374970	196350
15	Jessore	98190	45370	72590	69830	170780	115200	94440	42800	78800	84830	173240	127630
16	Khulna	16640	8500	15440	13990	32080	22490	15060	8050	14660	12890	29720	20940
17	Kushtia	103600	45440	49090	49930	152690	95370	92230	38140	50200	47970	142430	86110
18	Patuakhali	206590	101020	41590	37150	248180	138170	206540	110480	46820	41730	253360	152210
19	Bogra	80	20	17980	12100	18060	12120	100	50	17840	12690	17940	12740
20	Dinajpur	2960	920	25810	14590	28770	15510	3210	1720	28750	24960	31960	26680
21	Pabna	62180	23370	680	340	62860	23710	69840	28860	680	590	70520	29450
22	Rajshahi	76010	37590	68640	53650	144650	91240	85710	43830	98310	74240	184020	118070
23	Rangpur	15340	5060	9450	4920	24790	9980	17650	9420	9680	8360	27330	17780
	Bangladesh	1958390	904920	1111160	902800	3069550	1807720	1920240	903410	1153120	947290	3073360	1850700

Estimates of Aus Rice

Table:1.1.17													
Sl. No.	Districts Name	2003-04						2004-05					
		Local		HYV		Total		Local		HYV		Total	
		Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)
1	Bandarban	19770	11390	5550	3780	25320	15170	18950	9560	5610	3830	24560	13390
2	Chittagong	53020	29570	73800	78790	126820	108360	38280	28360	73970	72470	112250	100830
3	Comilla	98620	55620	130420	109680	229040	165300	59530	26050	147730	114410	207260	140460
4	Khagrachari	1400	1160	4470	5480	5870	6640	1260	1040	4840	4850	6100	5890
5	Noakhali	132040	65750	81510	57440	213550	123190	129930	63000	78120	56320	208050	119320
6	Rangamati	7580	3930	4270	3930	11850	7860	4550	2740	9710	5070	14260	7810
7	Sylhet	121100	70020	170260	143440	291360	213460	92550	31610	134100	90150	226650	121760
8	Dhaka	92600	36950	14900	9390	107500	46340	45310	16380	12110	6400	57420	22780
9	Faridpur	327030	141970	210	210	327240	142180	220070	75400	230	190	220300	75590
10	Jamalpur	29860	12190	13190	7880	43050	20070	20800	6820	10670	5880	31470	12700
11	Kishoregonj	27660	16160	61810	48220	89470	64380	22920	10980	53170	30320	76090	41300
12	Mymensingh	50390	21720	111070	91170	161460	112890	33950	15660	100760	68530	134710	84190
13	Tangail	44250	25850	10740	6480	54990	32330	15610	4650	6410	3880	22020	8530
14	Barisal	287570	128600	96170	72620	383740	201220	285810	120430	94450	72150	380260	192580
15	Jessore	95450	43930	69790	70310	165240	114240	62790	30800	77750	82480	140540	113280
16	Khulna	14110	7140	15440	14070	29550	21210	17370	9530	15460	13750	32830	23280
17	Kushtia	87520	35020	43110	39540	130630	74560	41300	20520	49010	43060	90310	63580
18	Patuakhali	188670	101130	63390	56030	252060	157160	185320	104080	87650	66260	272970	170340
19	Bogra	80	40	17810	12020	17890	12060	70	30	17050	11820	17120	11850
20	Dinajpur	2890	1400	24240	22380	27130	23780	2660	1200	22320	18280	24980	19480
21	Pabna	70890	31750	680	530	71570	32280	50620	19530	590	430	51210	19960
22	Rajshahi	84930	44830	100990	80290	185920	125120	60650	36320	111560	91170	172210	127490
23	Rangpur	17030	9710	3420	2330	20450	12040	7360	3350	1200	730	8560	4080
	Bangladesh	1854460	895830	1117240	936010	2971700	1831840	1417660	638040	1114470	862430	2532130	1500470

Table:1.1.18

Estimates of Aus Rice

Sl. No.	Districts Name	2005-06					
		Local		HYV		Total	
		Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)
1	Bandarban	11653	5124	3608	3072	15261	8196
2	Chittagong	24597	18891	62048	63987	86645	82878
3	Comilla	51799	25014	157226	129391	209025	154405
4	Khagrachari	1756	1296	5628	5695	7384	6991
5	Noakhali	133572	70844	76864	57991	210436	128835
6	Rangamati	9602	6591	4066	3303	13668	9894
7	Sylhet	118079	71437	176708	159128	294787	230565
8	Dhaka	26400	10442	9470	7076	35870	17518
9	Faridpur	197287	73014	431	422	197718	73436
10	Jamalpur	14059	5813	18067	11380	32126	17193
11	Kishoregonj	16024	11180	59249	49617	75273	60797
12	Mymensingh	16766	7479	115116	79279	131882	86758
13	Tangail	3977	1378	3036	2034	7013	3412
14	Barisal	248320	123534	136575	100331	384895	223865
15	Jessore	55662	29381	86937	86740	142599	116121
16	Khulna	16616	8994	15607	15488	32223	24482
17	Kushtia	35808	16528	62740	59404	98548	75932
18	Patuakhali	175953	113768	82526	67581	258479	181349
19	Bogra	0	0	19867	14846	19867	14846
20	Dinajpur	0	0	20866	17752	20866	17752
21	Pabna	52381	24597	7594	6116	59975	30713
22	Rajshahi	62497	35658	151758	139831	214255	175489
23	Rangpur	5745	2905	1230	707	6975	3612
	Bangladesh	1278553	663868	1277217	1081171	2555770	1745039

Estimates of Aus Rice

Table: I.1.23

Zila/Division		2014-2015					
		Local		HYV		Total	
		Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)
1	Bandarban	13927	9030	5086	4841	19013	13871
2	Chittagong	17423	11056	91152	96970	108575	108026
3	Cox's Bazar	20	14	4385	4095	4405	4110
4	Comilla	506	257	169455	172048	169961	172306
5	Chandpur	2791	1224	26517	24745	29308	25969
6	Brahmanbaria	2121	1037	9593	9063	11714	10100
7	Khagrachari	2292	1369	4114	3319	6406	4687
8	Noakhali	68007	37824	64745	55585	132752	93409
9	Lakshmipur	36590	20077	43446	37721	80036	57799
10	Feni	10144	6778	19125	19560	29269	26338
11	Rangamati	15322	9437	1919	1977	17241	11414
1	Chittagong Division	169143	98104	439537	429926	608680	528030
12	Sylhet	13228	7703	80361	90890	93589	98593
13	Maulavibazar	3320	1887	73570	79914	76890	81801
14	Sunamgonj	1502	1155	9678	10440	11180	11595
15	Hobigonj	859	484	85169	82975	86028	83460
2	Sylhet Division	18909	11229	248778	264219	267687	275448
16	Dhaka	45	20	1666	1393	1711	1413
17	Gazipur	0	0	4131	4071	4131	4071
18	Manikgonj	484	201	1493	1421	1977	1622
19	Munsigonj	163	69	702	752	865	821
20	Narayangonj	0	0	51	49	51	49
21	Narsingdi	31	14	708	460	739	474
22	Faridpur	12591	6984	4035	3615	16626	10599
23	Rajbari	4845	2071	420	394	5265	2465
24	Madaripur	3327	1739	428	292	3755	2031
25	Gopalganj	3477	1443	3121	2509	6598	3953
26	Shariatpur	19052	9245	3480	2798	22532	12043
27	Jamalpur	759	385	2803	2145	3562	2530
28	Sherpur	3343	1871	9995	9066	13338	10937
29	Kishoregonj	1151	649	46180	44991	47331	45640
30	Netrokona	81	64	451	266	532	330
31	Mymensingh	145	80	65513	62847	65658	62928
32	Tangail	812	483	90	63	902	546
3	Dhaka Division	50306	25318	145267	137132	195573	162450

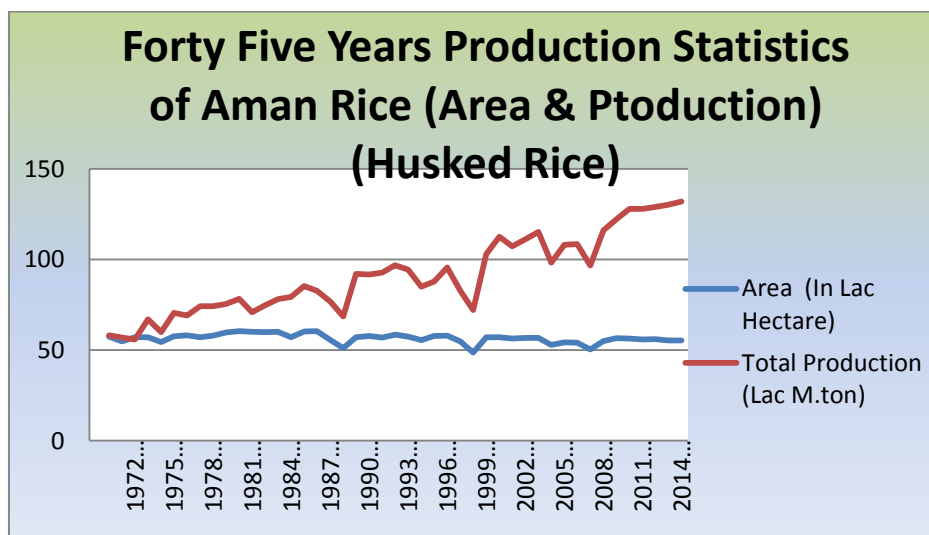
Zila/Division		2014-2015					
		Local		HYV		Total	
		Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)
33	Barisal	42300	21000	40888	28083	83188	49083
34	Jhalakathi	8832	3989	37303	32443	46135	36433
35	Perojpur	11607	5212	53424	49456	65031	54668
36	Bhola	117223	57408	67211	43402	184434	100811
37	Patuakhali	52109	23458	92310	91655	144419	115113
38	Barguna	7287	4189	89760	90464	97047	94652
4	Barisal Division	239358	115256	380896	335503	620254	450759
39	Jessore	1588	856	83102	95541	84690	96397
40	Jhenaidah	585	323	52282	59522	52867	59845
41	Magura	1972	809	16272	14152	18244	14961
42	Narail	8236	4246	3194	2635	11430	6880
43	Khulna	6855	3096	1537	1429	8392	4525
44	Bagerhat	2200	1240	18058	18469	20258	19709
45	Satkhira	0	0	20051	20133	20051	20133
46	Kushtia	15375	7174	72575	80729	87950	87903
47	Chuadanga	108	56	62926	70231	63034	70287
48	Meherpur	112	57	20867	25408	20979	25465
5	Khulna Division	37031	17857	350864	388249	387895	406106
49	Bogra	0	0	56081	52125	56081	52125
50	Joypurhat	0	0	0	0	0	0
51	Pabna	25305	10863	25268	22919	50573	33782
52	Sirajgonj	5083	2637	11517	12768	16600	15405
53	Rajshahi	1935	1105	94159	110362	96094	111467
54	Noagaon	0	0	127603	144321	127603	144321
55	Natore	2941	1414	16155	14708	19096	16122
56	Nawabgonj	18850	9161	92556	99155	111406	108316
6	Rajshahi Division	54114	25180	423339	456358	477453	481538
57	Dinajpur	0	0	12067	11216	12067	11216
58	Thakurgaon	0	0	7558	6884	7558	6884
59	Panchagar	0	0	0	0	0	0
60	Rangpur	0	0	3275	3438	3275	3438
61	Gaibandha	0	0	804	600	804	600
62	Kurigram	517	247	1540	1374	2057	1621
63	Nilphamari	0	0	0	0	0	0
64	Lalmonirhat	0	0		0	0	0
7	Rangpur Division	517	247	25244	23511	25761	23758
BANGLADESH		569378	293192	2013925	2034899	2583303	2328090

1.6 Five Years Production Statistics of AMAN Rice (Husked Rice)

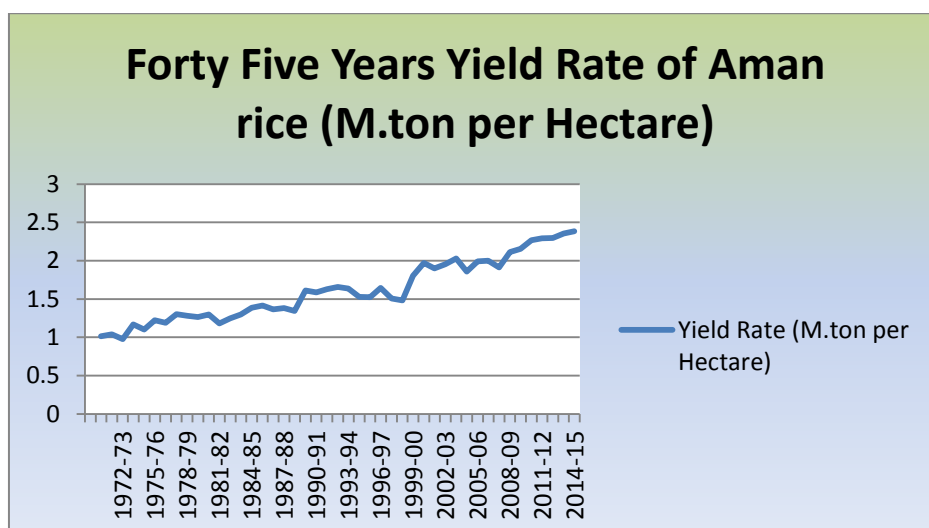
S.I no	Finacial Year	Area (In Acre)	Area (In Lac Hectare)	Total Production (M.ton)	Total Production (Lac M.ton)	Yield Rate (M.ton per Hectare)
1	1970-71	14184320	57.40	5813430	58.13	1.013
2	1971-72	13525560	54.74	5696340	56.96	1.041
3	1972-73	14120385	57.14	5586560	55.87	0.978
4	1973-74	14132815	57.19	6698900	66.99	1.171
5	1974-75	13469030	54.51	6000000	60.00	1.101
6	1975-76	14235705	57.61	7045100	70.45	1.223
7	1976-77	14355050	58.09	6905680	69.06	1.189
8	1977-78	14101590	57.07	7423640	74.24	1.301
9	1978-79	14347175	58.06	7429090	74.29	1.280
10	1979-80	14752850	59.70	7552570	75.53	1.265
11	1980-81	14917885	60.37	7836840	78.37	1.298
12	1981-82	14853820	60.11	7094515	70.95	1.180
13	1982-83	14817415	59.97	7483350	74.83	1.248
14	1983-84	14845230	60.08	7811725	78.12	1.300
15	1984-85	14120530	57.15	7931075	79.31	1.388
16	1985-86	14907875	60.33	8539480	85.39	1.415
17	1986-87	14958105	60.53	8264925	82.65	1.365
18	1987-88	13762080	55.69	7690340	76.90	1.381
19	1988-89	12606385	51.02	6857185	68.57	1.344
20	1989-90	14094610	57.04	9202040	92.02	1.613
21	1990-91	14272760	57.76	9166990	91.67	1.587
22	1991-92	14068170	56.93	9268890	92.69	1.628

S.I no	Finacial Year	Area (In Acre)	Area (In Lac Hectare)	Total Production (M.ton)	Total Production (Lac M.ton)	Yield Rate (M.ton per Hectare)
23	1992-93	14441290	58.44	9679710	96.80	1.656
24	1993-94	14211910	57.51	9429180	94.29	1.639
25	1994-95	13735720	55.59	8503952	85.04	1.530
26	1995-96	14261940	57.72	8790330	87.90	1.523
27	1996-97	14338539	58.03	9551780	95.52	1.646
28	1997-98	13545110	54.82	8272000	82.72	1.509
29	1998-99	12021620	48.65	7216580	72.17	1.483
30	1999-00	14097300	57.05	10305986	103.06	1.806
31	2000-01	14109890	57.10	11248930	112.49	1.970
32	2001-02	13954860	56.47	10726190	107.26	1.899
33	2002-03	14041000	56.82	11114950	111.15	1.956
34	2003-04	14029960	56.78	11520590	115.21	2.029
35	2004-05	13047212	52.80	9819617	98.20	1.860
36	2005-06	13415621	54.29	10810076	108.10	1.991
37	2006-07	13381773	54.16	10840868	108.41	2.002
38	2007-08	12473780	50.48	9662191	96.62	1.914
39	2008-09	13584625	54.98	11613169	116.13	2.112
40	2009-10	13992863	56.63	12207162	122.07	2.156
41	2010-11	13950933	56.46	12791498	127.91	2.266
42	2011-12	13789132	55.80	12798268	127.98	2.293
43	2012-13	13863261	56.10	12897210	128.97	2.299
44	2013-14	13665808	55.30	13023313	130.23	2.355
45	2014-15	13665217	55.30	13190163	131.90	2.385

1.7 Line Graph of Aman rice production and Area from fiscal year 1970-01 to 2014-15



Line Graph of Aman rice yield rate from fiscal year 1970-01 to 2014-15



Estimates of Amon rice

Sl. No.	Districts Name	1973-74								1974-75							
		Broadcast Aman		Local Transplant		HYV		Total		Broadcast Aman		Local Transplant		HYV		Total	
		Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)
1	Dhaka	486700	166420	175000	71815	65000	66680	726700	304915	460265	142520	203000	84365	30050	25530	693315	252415
2	Kishoregonj	180765	77015	259000	105925	115000	108250	554765	291190	125000	41680	327960	122885	24040	22630	477000	187195
3	Mymensingh	176300	72335	655520	302600	243435	245635	1075255	620570	105665	36325	744130	384380	127850	122305	977645	543010
4	Tangail	224585	65735	124510	76635	21715	23760	370810	166130	263170	91785	128525	60405	18000	21015	409695	173205
5	Faridpur	723800	234620	4645	1910	210	145	728655	236675	661450	181060	5540	3230	240	175	667230	184465
6	Chittagong	0	0	392225	190590	187735	181660	579960	372250	0	0	409540	220865	151010	122525	560550	343390
7	Chittagong H. T.	2280	750	37040	16670	23670	20915	62990	38335	1850	585	41815	19635	14530	12855	58195	33075
8	Noakhali	162900	51300	474350	153450	108200	92565	745450	297315	80300	23695	492310	182370	61310	53410	633920	259475
9	Comilla	565335	232935	175580	88855	183390	193350	924305	515140	453855	117625	188155	71375	88165	51635	730175	240635
10	Sylhet	517215	204790	445960	217305	154310	151960	1117485	574055	338100	115270	496380	224995	107480	102975	941960	443240
11	Rajshahi	329000	118680	575000	235155	69630	50975	973630	404810	383305	141770	636795	265095	54220	42830	1074320	449695
12	Dinajpur	23485	9675	637000	275105	216000	200070	876485	484850	17000	6830	705275	321935	128530	112455	850805	441220
13	Rangpur	84700	35620	944000	451905	270130	287495	1298830	775020	71445	25425	1036480	508135	168310	158980	1276235	692540
14	Bogra	10170	4470	423200	203175	141970	118235	575340	325880	8325	3680	456640	238155	103900	88175	568865	330010
15	Pabna	269880	72715	87000	37185	29550	24645	386430	134545	340675	92165	86665	39375	19460	15780	446800	147320
16	Khulna	109490	38370	752550	299275	51000	39565	913040	377210	64000	23030	784035	342000	39160	37995	887195	403025
17	Bakergonj	177435	50235	618765	182595	108250	101025	904450	333855	169665	47290	628300	208400	65100	45345	863065	301035
18	Patuakhali	0	0	576510	128930	11795	7500	588305	136430	0	0	579290	225920	7960	6545	587250	232465
19	Jessore	393430	139775	170000	72310	27500	29025	590930	241110	400000	165090	187370	88660	18630	18370	606000	272120
20	Kushtia	94500	39810	30000	15420	14500	13385	139000	68615	105380	38290	42350	23110	11080	9065	158810	70465
	Bangladesh	4531970	1615250	7557855	3126810	2042990	1956840	14132815	6698900	4049450	1294115	8180555	3635290	1239025	1070595	13469030	6000000

Estimates of Aman Rice

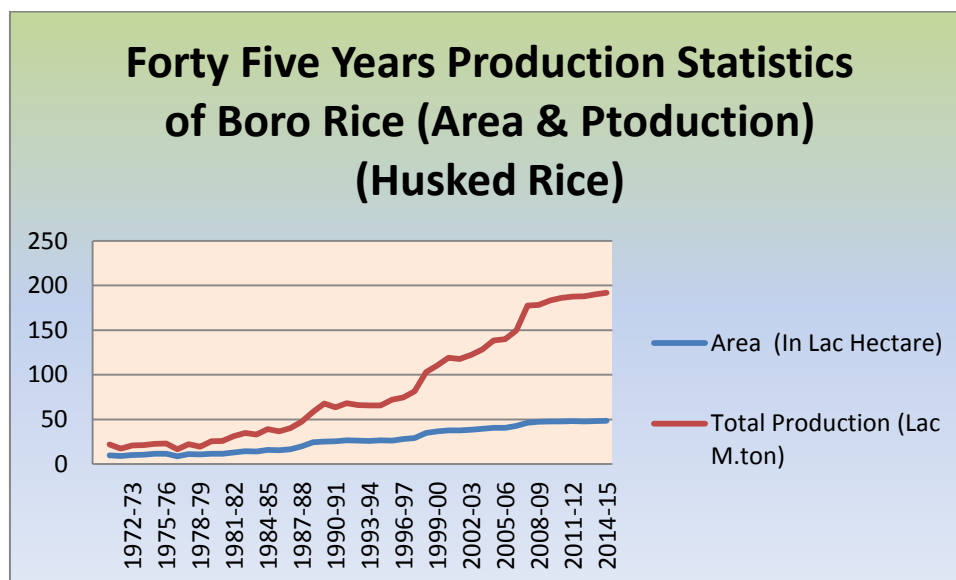
Table:1.2.20		1993-94									
Sl. No.	Districts Name	Broadcast Aman		Local Transplant		HYV		Pajam		Total	
		Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (tons)
1	Bandarban	0	0	1860	1180	12320	13680	6430	5360	20610	20220
2	Chittagong	0	0	50540	29670	388540	385930	205370	178080	644450	593680
3	Comilla	417440	154400	121350	71040	371930	329590	26580	22910	937300	577940
4	Khagrachari	0	0	2420	1690	15380	15650	5750	4560	23550	21900
5	Noakhali	32670	7400	405670	218190	127400	103620	86600	62060	652340	391270
6	Rangamati	0	0	2460	1760	11770	10460	4770	4360	19000	16580
7	Sylhet	312440	149130	498290	284960	184690	173110	21430	16770	1016850	623970
8	Dhaka	238780	89390	93640	49870	114200	95780	11070	7170	457690	242210
9	Faridpur	437430	143020	14180	4900	82620	53290	5850	3690	540080	204900
10	Jamalpur	8440	3440	356820	197180	93010	81860	14180	11170	472450	293650
11	Kishoregonj	11190	5020	251200	147450	91010	91620	74310	63130	427710	307220
12	Mymensingh	620	310	343390	206760	159130	139880	75560	65560	578700	412510
13	Tangail	111320	45040	125700	56920	78620	65240	9770	6670	325410	173870
14	Barisal	109240	39550	797900	419810	42180	34890	450	300	949770	494550
15	Jessore	174970	76150	47430	23680	554610	486910	320	240	777330	586980
16	Khulna	90820	38440	629470	353560	228550	233070	25180	23540	974020	648610
17	Kushtia	30120	16270	18360	14650	194520	147180	0	0	243000	178100
18	Patuakhali	0	0	701110	381610	64820	46090	4510	2790	770440	430490
19	Bogra	0	0	171740	112230	395060	382530	22150	14120	588950	508880
20	Dinajpur	7470	2890	523490	328460	350610	301530	76160	51850	957730	684730
21	Pabna	139870	48080	76160	35950	108690	64590	1390	850	326110	149470
22	Rajshahi	115800	50090	357200	203860	478180	445560	15830	8920	967010	708430
23	Rangpur	16630	7670	780110	446420	709730	681910	34940	23020	1541410	159020
	Bangladesh	2255250	876290	6370490	3591800	4857570	4383970	728600	577120	14211910	429180

1.9Forty Five Years Production Statistics of Boro Rice (Husked Rice)

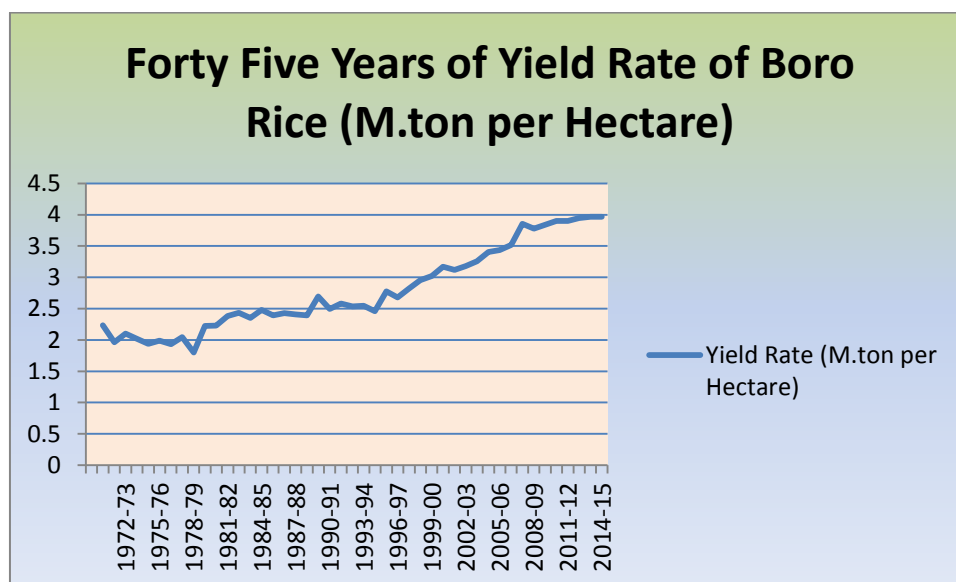
S.I no	Finacial Year	Area (In Acre)	Area (In Lac Hectare)	Total Production (M.ton)	Total Production (Lac M.ton)	Yield Rate (M.ton per Hectare)
1	1970-71	2425450	9.82	2192185	21.92	2.233
2	1971-72	2185330	8.84	1737470	17.37	1.965
3	1972-73	2434090	9.85	2070250	20.70	2.102
4	1973-74	2595680	10.50	2120000	21.20	2.018
5	1974-75	2872025	11.62	2249680	22.50	1.936
6	1975-76	2837315	11.48	2284780	22.85	1.990
7	1976-77	2111880	8.55	1650125	16.50	1.931
8	1977-78	2703120	10.94	2238615	22.39	2.046
9	1978-79	2649385	10.72	1929345	19.29	1.799
10	1979-80	2818790	11.41	2536710	25.37	2.224
11	1980-81	2867385	11.60	2588645	25.89	2.231
12	1981-82	3218445	13.02	3102145	31.02	2.382
13	1982-83	3541815	14.33	3489150	34.89	2.434
14	1983-84	3462670	14.01	3296545	32.97	2.352
15	1984-85	3891485	15.75	3904291	39.04	2.479
16	1985-86	3789510	15.34	3670635	36.71	2.393
17	1986-87	4084245	16.53	4010400	40.10	2.426
18	1987-88	4850453	19.63	4730779	47.31	2.410
19	1988-89	6025810	24.39	5831260	58.31	2.391
20	1989-90	6204920	25.11	6766750	67.67	2.695
21	1990-91	6297170	25.48	6356650	63.57	2.494
22	1991-92	6511390	26.35	6804210	68.04	2.582
23	1992-93	6422900	25.99	6585740	65.86	2.534

S.I no	Finacial Year	Area (In Acre)	Area (In Lac Hectare)	Total Production (M.ton)	Total Production (Lac M.ton)	Yield Rate (M.ton per Hectare)
24	1993-94	6378190	25.81	6572200	65.72	2.546
25	1994-95	6581890	26.64	6544170	65.44	2.457
26	1995-96	6432470	26.03	7221020	72.21	2.774
27	1996-97	6876060	27.83	7459920	74.60	2.681
28	1997-98	7134430	28.87	8145220	81.45	2.821
29	1998-99	8584770	34.74	10274840	102.75	2.957
30	1999-00	9024180	36.52	11027010	110.27	3.019
31	2000-01	9295890	37.62	11920940	119.21	3.169
32	2001-02	9319340	37.71	11765500	117.66	3.120
33	2002-03	9500990	38.45	12221850	122.22	3.179
34	2003-04	9744810	39.44	12837230	128.37	3.255
35	2004-05	10042030	40.64	13837060	138.37	3.405
36	2005-06	10047020	40.66	13975317	139.75	3.437
37	2006-07	10521630	42.58	14965055	149.65	3.515
38	2007-08	11385915	46.08	17761781	177.62	3.855
39	2008-09	11654317	47.16	17809051	178.09	3.776
40	2009-10	11806600	47.78	18341000	183.41	3.839
41	2010-11	11787978	47.71	18616780	186.17	3.902
42	2011-12	11886052	48.10	18759212	187.59	3.900
43	2012-13	11762572	47.60	18778154	187.78	3.945
44	2013-14	11837334	47.91	19007201	190.07	3.968
45	2014-15	11960673	48.40	19192164	191.92	3.965

1.10 Line Graph of Boro rice production and Area from fiscal year 1970-01 to 2014-15



Line Graph of Boro rice average yield reat from fiscal year 1970-01 to 2014-15



Estimates of Boro Rice

Table:1.3.15

Sl. No.	Districts Name	1983-84							
		Local Boro		HYV		Pajam		Total	
		Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)
1	Bandarban	0	0	2800	2500	300	295	3100	2795
2	Chittagong	0	0	274930	303010	500	550	275430	303560
3	Comilla	26155	18275	241635	255040	12645	9685	280435	283000
4	Khagrachari	395	185	8565	7075	580	435	9540	7695
5	Noakhali	6935	4380	142760	141765	3875	2905	153570	149050
6	Rangamati	145	95	13975	15590	535	575	14655	16260
7	Sylhet	406180	240245	165540	158790	29970	24180	601690	423215
8	Dhaka	44485	26820	193310	241105	32150	28560	269945	296485
9	Faridpur	17150	9565	80135	79840	0	0	97285	89405
10	Jamalpur	35675	26070	86480	87625	2405	2295	124560	115990
11	Kishoregonj	150960	106205	211820	224270	84390	59680	447170	390155
12	Mymensingh	43135	23120	89315	92040	22320	15030	154770	130190
13	Tangail	7700	5405	164065	202520	13600	12460	185365	220385
14	Barisal	9350	3910	69525	70010	0	0	78875	73920
15	Jessore	3570	1725	72175	75145	0	0	75745	76870
16	Khulna	15195	7865	34905	33865	0	0	50100	41730
17	Kushtia	1295	775	7260	5985	0	0	8555	6760
18	Patuakhali	14310	4815	9985	8355	0	0	24295	13170
19	Bogra	1185	670	168970	189270	0	0	170155	189940
20	Dinajpur	1130	820	29370	33525	350	280	30850	34625
21	Pabna	12715	8725	109405	124720	5505	4595	127625	138040
22	Rajshahi	18685	12925	132710	153625	520	580	151915	167130
23	Rangpur	11930	7090	115110	119085	0	0	127040	126175
	Bangladesh	828280	509685	2424745	2624755	209645	162105	3462670	3296545

Estimates of Boro Rice

Table:1.3.16

Sl. No.	Districts Name	1984-85							
		Local Boro		HYV		Pajam		Total	
		Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)
1	Bandarban	55	30	2870	2505	145	100	3070	2635
2	Chittagong	500	305	319825	291545	370	360	320695	292210
3	Comilla	23095	14459	247755	290680	12845	12600	283695	317739
4	Khagrachari	140	81	7970	7375	445	325	8555	7781
5	Noakhali	10205	6666	166705	175115	5555	4755	182465	186536
6	Rangamati	165	130	17380	18815	155	135	17700	19080
7	Sylhet	411785	257780	188475	186300	23615	14975	623875	459055
8	Dhaka	26490	16875	205495	240175	41815	41510	273800	298560
9	Faridpur	21330	11440	120965	160390	0	0	142295	171830
10	Jamalpur	37910	28075	127260	137050	7445	7295	172615	172420
11	Kishoregonj	154780	126475	229250	257845	97745	100270	481775	484590
12	Mymensingh	47500	31975	101755	107015	26490	23855	175745	162845
13	Tangail	7605	5110	169075	211495	16850	18490	193530	235095
14	Barisal	20680	11860	77885	82630	0	0	98565	94490
15	Jessore	2850	1920	119230	149325	0	0	122080	151245
16	Khulna	21785	11825	65945	68165	0	0	87730	79990
17	Kushtia	1030	695	8545	9555	0	0	9575	10250
18	Patuakhali	21875	8700	13550	10765	0	0	35425	19465
19	Bogra	1270	755	187690	224345	0	0	188960	225100
20	Dinajpur	2230	1735	32345	36215	355	455	34930	38405
21	Pabna	14005	7975	118410	148080	5905	5245	138320	161300
22	Rajshahi	14370	10185	128515	148195	635	755	143520	159135
23	Rangpur	9400	6390	143165	148145	0	0	152565	154535
	Bangladesh	851055	561441	2800060	3111725	240370	231125	3891485	3904291

Estimates of Boro Rice

Table:1.3.29

Sl. No.	Districts Name	1997-98							
		Local Boro		HYV		Pajam		Total	
		Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)
1	Bandarban	0	0	9210	8880	0	0	9210	8880
2	Chittagong	100	90	295350	289400	0	0	295450	289490
3	Comilla	13970	9920	536130	625180	3110	3510	553210	638610
4	Khagrachari	0	0	3990	3800	0	0	3990	3800
5	Noakhali	130	80	247740	262630	0	0	247870	262710
6	Rangamati	40	30	13820	14200	740	410	14600	14640
7	Sylhet	317870	195660	397290	387800	17140	14740	732300	598200
8	Dhaka	19300	10960	464540	581240	14000	16720	497840	608920
9	Faridpur	39650	26170	169880	225430	0	0	209530	251600
10	Jamalpur	14480	10700	263710	308500	14330	16580	292520	335780
11	Kishoregonj	78440	56270	589460	716420	30500	34040	698400	806730
12	Mymensingh	11790	8080	275360	330450	35500	43280	322650	381810
13	Tangail	1920	1110	251410	296920	3140	3850	256470	301880
14	Barisal	10130	4660	87010	91170	0	0	97140	95830
15	Jessore	370	320	445580	592940	0	0	445950	593260
16	Khulna	17750	9790	114400	128360	0	0	132150	138150
17	Kushtia	450	360	111020	129540	0	0	111470	129900
18	Patuakhali	2380	1210	21830	27300	0	0	24210	28510
19	Bogra	750	530	490570	591280	0	0	491320	591810
20	Dinajpur	0	0	281880	313130	80	60	281960	313190
21	Pabna	4040	2420	247510	302300	2370	2390	253920	307110
22	Rajshahi	3460	2110	546260	690620	30	30	549750	692760
23	Rangpur	1530	1020	601960	741720	9030	8910	612520	751650
	Bangladesh	538550	341490	6465910	7659210	129970	144520	7134430	8145220

Sl. No.	Name of Districts	2006-07							
		Local Boro		HYV		Hybrid		Total	
		Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)
49	Bogra	1250	909	463085	677082	0	0	464335	677991
50	Joypurhat	0	0	167375	273585	0	0	167375	273585
51	Dinajpur	0	0	397155	603367	0	0	397155	603367
52	Thakurgaon	0	0	129970	190419	0	0	129970	190419
53	Panchagar	0	0	81375	111872	0	0	81375	111872
54	Pabna	4650	4638	151885	256713	0	0	156535	261351
55	Sirajgonj	3170	2027	315750	512225	0	0	318920	514252
56	Rajshahi	150	193	178005	288569	0	0	178155	288762
57	Noagaon	0	0	429800	636438	0	0	429800	636438
58	Natore	205	156	166255	264556	0	0	166460	264712
59	Nawabgonj	0	0	108200	171529	0	0	108200	171529
06	Rajshahi Division	9425	7923	2588855	3986355	0	0	2598280	3994278
60	Dinajpur	0	0	397155	603367	0	0	397155	603367
61	Thakurgaon	0	0	129970	190419	0	0	129970	190419
62	Panchagar	0	0	81375	111872	0	0	81375	111872
63	Rangpur	0	0	285785	429051	0	0	285785	429051
64	Gaibandha	250	143	252335	392866	0	0	252585	393009
62	Kurigram	2305	1502	206875	330815	0	0	209180	332317
63	Nilphamari	0	0	176525	253619	0	0	176525	253619
64	Lalmonirhat	35	19	114330	176083	0	0	114365	176102
07	Rangpur Division	2590	1664	1644350	2488092	0	0	1646940	2489756
BANGLADESH		708650	510908	19904670	28740762	0	0	20613320	29251670

Note: Hybrid was included in HYV in 2006-07.

05	Khulna Division	8774	6155	1183371	1831687	266431	500948	1458576	2338790
49	Bogra	2953	2578	412674	654979	45966	98486	461593	756043
50	Joypurhat	0	0	129586	231601	40872	81500	170458	313101
54	Pabna	2058	1486	168836	287885	2849	5275	173743	294646
55	Sirajgonj	5537	3774	306861	500782	29975	65108	342373	569664
56	Rajshahi	0	0	170387	264453	10339	21898	180726	286351
57	Noagaon	0	0	439650	786250	36410	77196	476060	863446
58	Natore	145	162	122190	211769	17635	37633	139970	249564
59	Nawabgonj	0	0	124580	195589	749	1245	125329	196834
06	Rajshahi Division	10693	8000	1874764	3133308	184795	388341	2070252	3529649
	Dinajpur	0	0	394359	646814	36810	71064	431169	717878
	Thakurgaon	0	0	140509	214671	16446	30191	156955	244862
	Panchagar	0	0	96002	146565	3322	6462	99324	153027
60	Rangpur	0	0	236556	379690	94974	192713	331530	572403
61	Gaibandha	1038	712	236560	368836	58210	115377	295808	484925
62	Kurigram	2707	1762	184335	302684	52466	106029	239508	410475
63	Nilphamari	0	0	142631	221959	61721	109849	204352	331808
64	Lalmonirhat	25	16	85529	133992	46092	83650	131646	217658
07	Rangpur Division	3770	2490	1516481	2415211	370041	715335	1890292	3133036
BANGLADESH		131134	99846	10134666	15898467	1571534	3008892	11837334	19007205

Sl. No.	Name of Districts	2014-15							
		Local Boro		HYV		Hybrid		Total	
		Area (acres)	Production (tons)	Area (acres)	Production (tons)	Area (acres)	Production (M.tons)	Area (acres)	Production (M.tons)
47	Chuadanga	0	0	83866	123655	13014	23415	96880	147069
48	Meherpur	0	0	44996	73062	8710	19865	53706	92927
05	Khulna Division	7096	5596	1168000	1816232	280210	551345	1455306	2373174
49	Bogra	4299	3680	422554	589904	42997	94853	469850	688437
50	Joypurhat	0	0	125384	211547	45612	71508	170996	283056
51	Pabna	2124	1522	162845	263810	6525	12300	171494	277632
52	Sirajgonj	5398	3893	308341	523685	29996	63485	343735	591063
53	Rajshahi	0	0	162982	264032	16068	34787	179050	298819
54	Noagaon	0	0	464557	766458	36403	77725	500960	844183
55	Natore	243	254	124980	228127	11111	24760	136334	253141
56	Nawabgonj	0	0	118970	179410	1482	2600	120452	182010
06	Rajshahi Division	12064	9348	1890613	3026973	190194	382019	2092871	3418340
57	Dinajpur	0	0	391649	638860	50693	96504	442342	735364
58	Thakurgaon	0	0	134427	205730	23078	44623	157505	250353
59	Panchagar	0	0	85334	136012	16563	32520	101897	168532
60	Rangpur	0	0	240509	414764	93461	190480	333970	605244
61	Gaibandha	847	577	241749	350125	64428	129818	307024	480520
62	Kurigram	2518	1739	197272	318846	49893	95912	249683	416497
63	Nilphamari	0	0	138054	231378	65033	127930	203087	359308
64	Lalmonirhat	18	13	83779	128843	41810	75848	125607	204704
07	Rangpur Division	3383	2329	1512773	2424558	404959	793635	1921115	3220522
BANGLADESH		129905	98729	10105669	15782543	1725099	3310892	11960673	19192163

CHAPTER II

JUTE

Jute is one of the most affordable natural fibers, has variety of uses as vegetable fibers. Its scientific name is *Corchorus*. It is produced from plants in the genus *Corchorus*, which was once classified with the family *Tiliaceae*, more recently with *Malvaceae*, and has now been reclassified as belonging to the family *Spartanaceae*. The primary source of the fibre is *Corchorus olitorius*, but it is considered inferior to *Corchorus capsularis*.^[1] "Jute" is the name of the plant or fiber that is used to make burlap, Hessian or gunny cloth.



The fibers are off-white to brown, and 1–4 meters (3–13 feet) long. Jute is also called "the golden fiber" for its color and high cash value.. The suitable climate for growing jute (warm and wet) is offered by the monsoon climate. Temperatures from 20°C to 40°C and relative humidity of 70%–80% are favorable for successful cultivation. Jute requires 5–8 cm of rainfall weekly, and more during the sowing time. Soft water is necessary for the jute production.

The cultivation of jute is in difficult processes. The land is ploughed, harrowed and manured well before sowing seeds. Generally the seeds are sown in March and April after a shower. When the plants grow up a little, the fields are weeded out for several times. In three to four months the plants are matured. The matured plants are then cut down and put into water where they are rotten and dried under the sun. In this way the fiber of jute is obtained and made ready for sale and use



About 40 species of jute have been found, out of which only two species have got its main real commercial value as well as industrial use. Of the several species of jute, one is called *Corchorus capsularis* (white jute) and the other *Corchorus olitorius* (both tossa and deshi jute). The third type is known as Mestha which is the natural substitute of jute.

The importance of the jute sector to the Bangladesh economy, in particular, cannot be over-stated, it is a major cash crop for over three million small farm households, the largest industry, producing about one- third of manufacturing output, and the largest agricultural export commodity in Bangladesh. The livelihood of about 25 million people (almost one - fifth of the total population) is dependent on jute - related activities in agriculture , domestic marketing , manufacturing and trade .

It is one of the few crops which can be grown in the monsoon season, and can be rotated with rice to restore the soil fertility and structure. The leaves of jute plants enrich the fertility of the soil for sustained agriculture, and have good nutrition value as vegetables.



Use of jute sticks as fuel and fencing material as substitute for wood prevents deforestation. Therefore, given the increased global concern for the environment, the future prospects for jute remains high.



The world is going green. Hence most of the developed and also the developing countries have banned or going to ban the use of polythene bags as it is too harmful for a sustainable environment. Eco-concerns drive demand for biodegradable bags on the global market, giving rise to the exports of shopping jute bags from Bangladesh, the finest jute grower of the world.



- Jute fiber is 100% bio-degradable and recyclable and thus environmentally friendly.



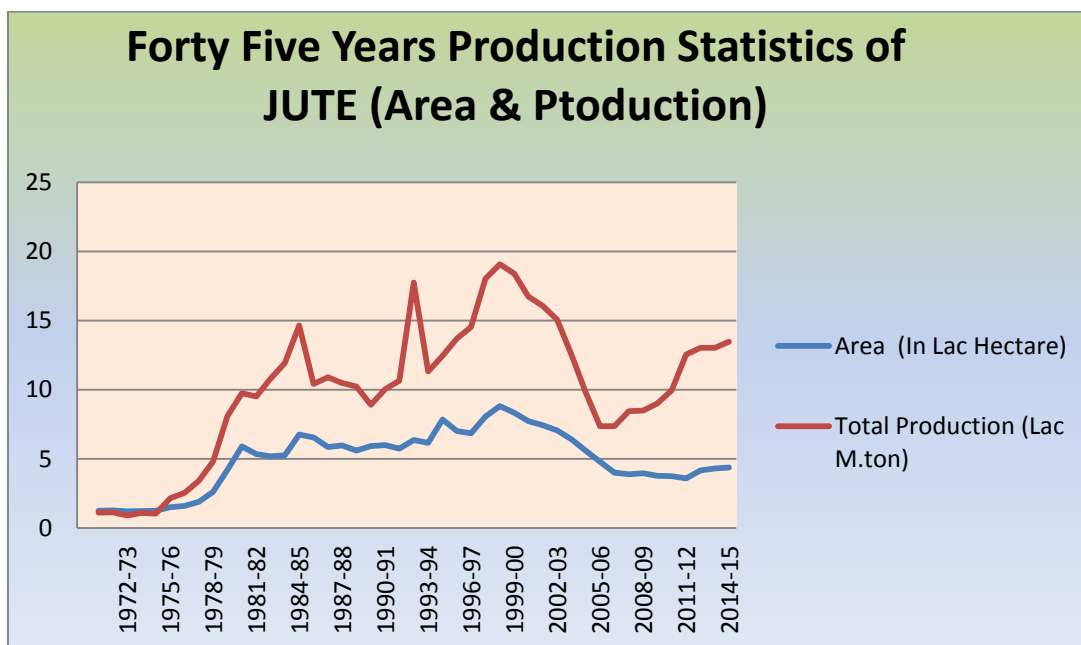
It is a natural fiber with golden and silky shine and hence called The Golden Fiber

2.1 Forty Five Years Production Statistics of JUTE

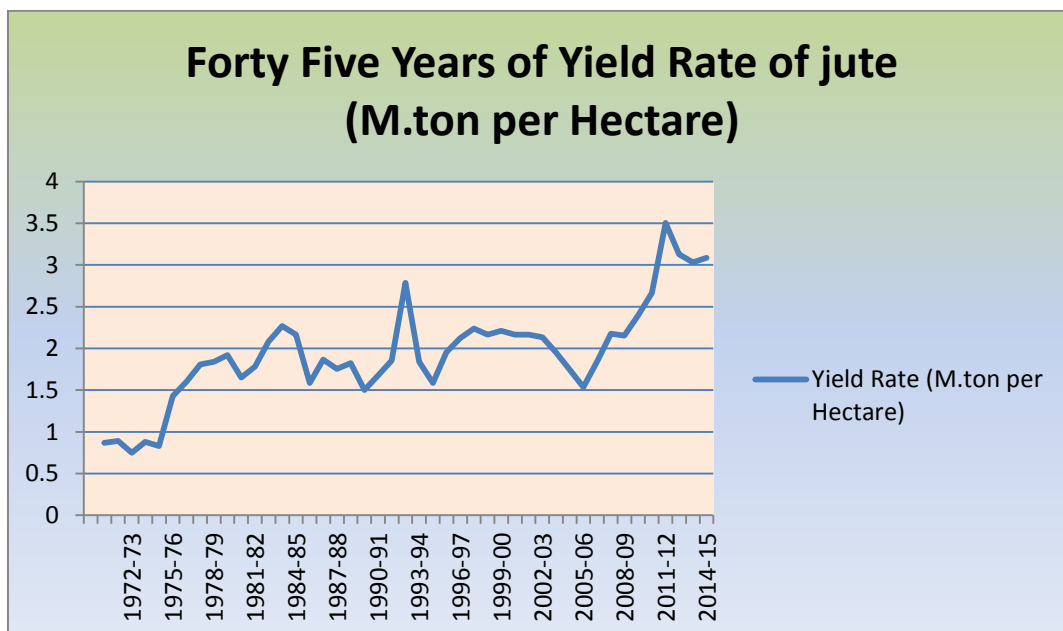
S.I no	Finacial Year	Area (In Acre)	Area (In Lac Hectare)	Total Production (Bales)	Total Production (Bales)	Yield Rate (Bales per Hectare)
1	1970-71	2249075	9.102	6800940	68.01	7.472
2	1971-72	1725560	6.983	4286670	42.87	6.139
3	1972-73	2257865	9.137	6623725	66.24	7.249
4	1973-74	2236115	9.049	6104975	61.05	6.746
5	1974-75	1440850	5.831	3529745	35.30	6.053
6	1975-76	1300000	5.261	3900090	39.00	7.413
7	1976-77	1625395	6.578	4873310	48.73	7.409
8	1977-78	1832045	7.414	6034550	60.35	8.139
9	1978-79	2080850	8.421	6530075	65.30	7.754
10	1979-80	1802300	7.294	5745210	57.45	7.877
11	1980-81	1585450	6.416	4984585	49.85	7.769
12	1981-82	1430295	5.788	4686090	46.86	8.096
13	1982-83	1442280	5.837	4920075	49.20	8.429
14	1983-84	1451205	5.873	5255610	52.56	8.949
15	1984-85	1688480	6.833	5150305	51.50	7.537
16	1985-86	1634525	6.615	5451283	54.51	8.241
17	1986-87	1408430	5.700	4970251	49.70	8.720
18	1987-88	1278835	5.175	4728130	47.28	9.136
19	1988-89	1308460	5.295	4472275	44.72	8.446
20	1989-90	1338630	5.417	4639260	46.39	8.564
21	1990-91	1441710	5.835	5281780	52.82	9.053
22	1991-92	1453190	5.881	5273190	52.73	8.967
23	1992-93	1236230	5.003	4919420	49.19	9.833

S.I no	Finacial Year	Area (In Acre)	Area (In Lac Hectare)	Total Production (Bales)	Total Production (Bales)	Yield Rate (Bales per Hectare)
24	1993-94	1181640	4.782	4452610	44.53	9.311
25	1994-95	1382800	5.596	5039500	50.40	9.005
26	1995-96	1132740	4.584	4074370	40.74	8.888
27	1996-97	1253430	5.073	4866390	48.66	9.594
28	1997-98	1426730	5.774	5824100	58.24	10.087
29	1998-99	1180990	4.779	4475480	44.75	9.364
30	1999-00	1008050	4.080	3920590	39.21	9.610
31	2000-01	1106630	4.478	4526270	45.26	10.107
32	2001-02	1127810	4.564	4407800	44.08	9.657
33	2002-03	1078950	4.366	4407800	44.08	10.095
34	2003-04	1007980	4.079	4375580	43.76	10.726
35	2004-05	964967	3.905	4034589	40.35	10.331
36	2005-06	993367	4.020	4618553	46.19	11.489
37	2006-07	1034360	4.186	4884071	48.84	11.668
38	2007-08	1088500	4.405	4622443	46.22	10.493
39	2008-09	1039030	4.205	4677740	46.78	11.125
40	2009-10	1028832	4.164	5089728	50.90	12.224
41	2010-11	1751325	7.088	8395840	83.96	11.846
42	2011-12	1878256	7.601	8003023	80.03	10.529
43	2012-13	1682903	6.811	7610588	76.11	11.175
44	2013-14	1645118	6.658	7436226	74.36	11.170
45	2014-15	1662100	6.726	7501011	75.01	11.152

2.2 Line Graph of Jute production and Area from fiscal year 1970-01 to 2014-15



Line Graph of Jute average yield reat from fiscal year 1970-01 to 2014-15



Estimates of Jute

Table:2.4

Sl. No.	Districts Name	1978-79					
		Jute		Mesta		Total	
		Area in Acre	Production in Bales	Area in Acre	Production in Bales	Area in Acre	Production in Bales
1	Dhaka	164800	619650	2450	8820	167250	628470
2	Kishoregonj	129485	271920	0	0	129485	271920
3	Mymensingh	265840	765695	2970	7425	268810	773120
4	Tangail	141790	438130	3500	7700	145290	445830
5	Faridpur	192695	624330	1500	2865	194195	627195
6	Chittagong	305	705	10	22	315	727
7	Chittagong H.T.	420	1045	60	152	480	1197
8	Noakhali	19040	57120	0	0	19040	57120
9	Comilla	105275	371620	0	0	105275	371620
10	Sylhet	8015	16030	0	0	8015	16030
11	Rajshahi	63755	180660	560	1322	64315	181982
12	Dinajpur	73455	204940	1225	2940	74680	207880
13	Rangpur	362100	1220275	8000	30400	370100	1250675
14	Bogra	60375	181125	200	430	60575	181555
15	Pabna	94905	305595	630	1758	95535	307353
16	Khulna	49835	155985	1940	5354	51775	161339
17	Bakergonj	19955	40310	995	1432	20950	41742
18	Patuakhali	1055	1340	0	0	1055	1340
19	Jessore	215825	733805	4615	15230	220440	749035
20	Kushtia	82715	252280	555	1665	83270	253945
Bangladesh		2051640	6442560	29210	87515	2080850	6530075

Estimates of Jute

Table:2.11							
Sl No	District / Region Name	2001-02		2002-03		2003-04	
		Jute		Mesta		Total	
		Area in Acre	Production in Bales	Area in Acre	Production in Bales	Area in Acre	Production in Bales
1	Bandarban	0	0	0	0	0	0
2	Chittagonj	0	0	0	0	0	0
3	Comilla	35890	111700	32950	111700	26190	89830
4	Khagrachari	0	0	0	0	0	0
5	Noakhali	320	5100	2170	5100	1120	2640
6	Rangamati	30	160	30	160	30	130
7	Sylhet	1410	3720	1200	3720	4170	13510
8	Dhaka	62570	218610	63550	218610	58920	193850
9	Faridpur	220920	932680	228040	932680	224970	1046110
10	jamalpur	63140	263660	61460	263660	56470	254120
11	Kishoregonj	52460	169480	45560	169480	46420	183820
12	Mymensingh	21090	62780	19930	62780	19630	71060
13	Tangail	64670	226040	57960	226040	50730	195310
14	Barisal	3740	19180	5480	19180	5670	19330
15	Jessore	89990	385970	81600	385970	82050	408610
16	Khulna	11510	61120	11960	61120	12610	64310
17	Kustia	82220	471130	89910	471130	85010	440350
18	Patuakhali	260	250	200	250	290	410
19	Bogra	14550	75380	15260	75380	15600	72540
20	Dinajpur	42600	119470	37570	119470	36080	119790
21	Pabna	56220	246850	60650	246850	60230	249950
22	Rajshahi	35420	153510	36990	153510	35990	145400
23	Rangpur	268800	881010	226480	881010	185800	804510
Bangladesh		1127810	4407800	1078950	4407800	1007980	4375580

POTATO

Potato is a cool-season vegetable that ranks with wheat and rice as one of the most important staple crops in the human diet around the world.

The English word potato comes from Spanish patata (the name used in Spain). The Spanish Royal Academy says the Spanish word is a compound of the Taíno batata and the Quechua papa (potato). The name potato originally referred to a type of sweet potato although the two plants are not closely related; in many of the chronicles detailing agriculture and plants, no distinction is made between the two. Its Binomial name is *Solanum tuberosum*.



The white potato is referred to as the "Irish potato" because it is associated with the potato famine in Ireland in the 19th century. Potatoes are not roots but specialized underground storage stems called "tubers." Maximal tuber formation occurs at soil temperatures between 60° and 70°F. The tubers fail to form when the soil temperature reaches 80°F. Potatoes withstand light frosts in the spring and can be grown throughout most of the country in the cooler part of the growing season, but they prefer the northern tier of states for maximal yield and quality



Potato plants



Flowers of a potato plant



potato

Potatoes are among the earliest vegetables planted in the garden. Early, midseason and late varieties all may be planted in March or early April. Planting too early in damp, cold soils makes it more likely that seed pieces rot before they can grow. Potatoes planted in March also may be frozen back to the ground by late frosts. Plants usually recover fully, but the blackened shoots are

always demoralizing to the gardener. Medium-early plantings, when soils have dried and warmed, may do as well as extremely early, winter-defying plantings. Midseason and late varieties may be planted as late as the first of July. Late potatoes are best for winter storage.



Potato planting

Potato field (earlier time)

Potato

As the potato plants become mature and the tubers are fully formed, the leaves become gradually yellowish and then brownish, and finally the plants die. It is always better to harvest the crop after these signs are evident in the field. Most varieties are harvested in this country during February-March. Collection of the tubers is usually done in Bangladesh manually using a spade or other devices.

In volume of fresh product, the potato ranks first among the world's most important food crops. It is grown in almost all countries of the world. In many countries, including those of Europe, America, and Canada, potato is the staple food. Nearly 90% of the potato crop of the world is grown in Europe. In the last 2-3 decades, production of potato in Bangladesh has increased with the cultivation of high yielding varieties. Although the growing conditions are excellent, because of lack of desirable market, farmers do not like to grow more potatoes. Only a negligible portion of the total production is exported, while a substantial amount of seed potatoes are still imported.

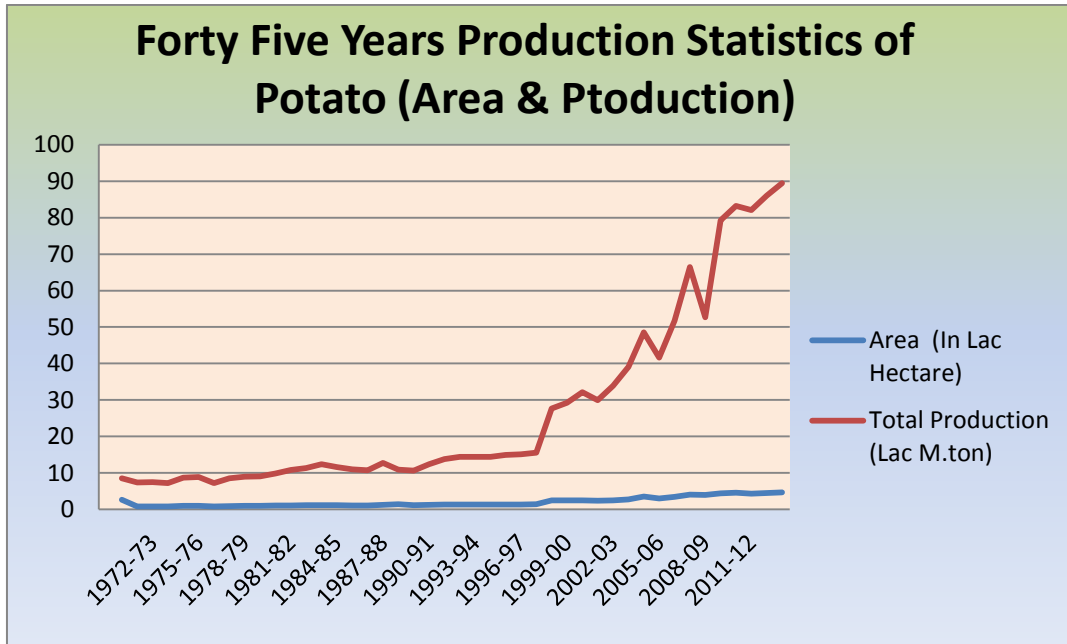
In Bangladesh, potato is primarily used as a vegetable, although in many countries of the world it constitutes the staple food and contributes more than 90% of the carbohydrate food source. In Bangladesh, although the principal use of potatoes is to make potato curry along with fish, meat, and eggs, there exists a great diversity in the consumption of potatoes. Notable among potato-based food items are the boiled potato, fried potato, mashed potato, baked potato, potato chop, potato vegetable mix, potato singara, potato chips, French fry etc. In recent years, bakeries and fast food shops have started preparing a wide variety of potato-based dishes.

3.1 Forty Five Years Production Statistics of Potato

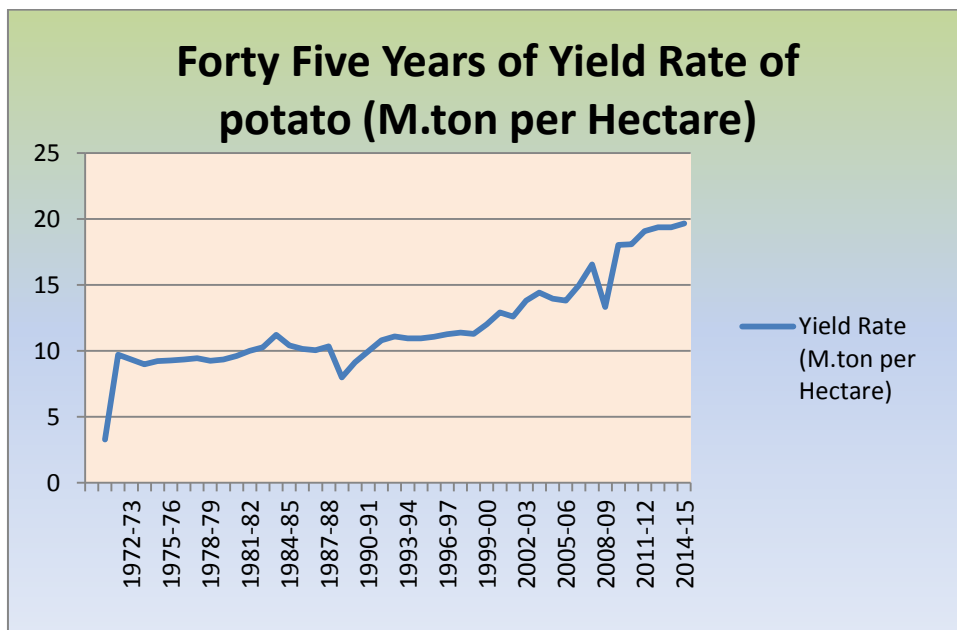
S.I no	Finacial Year	Area (In Acre)	Area (In Lac Hectare)	Total Production (M.ton)	Total Production (Lac M.ton)	Yield Rate (M.ton per Hectare)
1	1970-71	639605	2.59	849275	8.49	3.281
2	1971-72	188380	0.76	740905	7.41	9.719
3	1972-73	197580	0.80	746725	7.47	9.339
4	1973-74	197825	0.80	718535	7.19	8.975
5	1974-75	231940	0.94	866465	8.66	9.231
6	1975-76	237050	0.96	888760	8.89	9.264
7	1976-77	191200	0.77	723720	7.24	9.353
8	1977-78	222170	0.90	849410	8.49	9.447
9	1978-79	238890	0.97	894955	8.95	9.257
10	1979-80	238410	0.96	902633	9.03	9.355
11	1980-81	252360	1.02	983130	9.83	9.626
12	1981-82	266050	1.08	1077855	10.78	10.011
13	1982-83	272010	1.10	1131089	11.31	10.275
14	1983-84	272840	1.10	1239162	12.39	11.223
15	1984-85	274940	1.11	1159383	11.59	10.420
16	1985-86	267885	1.08	1100085	11.00	10.147
17	1986-87	262830	1.06	1069295	10.69	10.053
18	1987-88	304910	1.23	1275650	12.76	10.338
19	1988-89	337063	1.36	1089358	10.89	7.986
20	1989-90	288085	1.17	1065680	10.66	9.141
21	1990-91	306030	1.24	1236805	12.37	9.986
22	1991-92	315790	1.28	1379370	13.79	10.793

S.I no	Finacial Year	Area (In Acre)	Area (In Lac Hectare)	Total Production (M.ton)	Total Production (Lac M.ton)	Yield Rate (M.ton per Hectare)
23	1992-93	320260	1.30	1438015	14.38	11.095
24	1993-94	324320	1.31	1438055	14.38	10.957
25	1994-95	324320	1.31	1438055	14.38	10.957
26	1995-96	332625	1.35	1491555	14.92	11.080
27	1996-97	331055	1.34	1507865	15.08	11.255
28	1997-98	336740	1.36	1553180	15.53	11.397
29	1998-99	605000	2.45	2761940	27.62	11.281
30	1999-00	600515	2.43	2923020	29.23	12.028
31	2000-01	615275	2.49	3215570	32.16	12.914
32	2001-02	587245	2.38	2994120	29.94	12.599
33	2002-03	606205	2.45	3385910	33.86	13.802
34	2003-04	669225	2.71	3907120	39.07	14.426
35	2004-05	860294	3.48	4855377	48.55	13.946
36	2005-06	743895	3.01	4160890	41.61	13.821
37	2006-07	852325	3.45	5166672	51.67	14.979
38	2007-08	993005	4.02	6647768	66.48	16.542
39	2008-09	977540	3.96	5268327	52.68	13.317
40	2009-10	1073846	4.35	7930240	79.30	18.020
41	2010-11	1137192	4.60	8326390	83.26	18.092
42	2011-12	1063204	4.30	8205470	82.05	19.070
43	2012-13	1097503	4.44	8603120	86.03	19.370
44	2013-14	1141727	4.62	8950024	89.50	19.370
45	2014-15	1163921	4.71	9254285	92.54	19.647

3.2 Line Graph of potato production and Area from fiscal year 1970-01 to 2014-15



Line Graph of Potato average yield reat from fiscal year 1970-01 to 2014-15



Estimates of Potato

Table:3.2

Sl No	District Name	1974-75		1975-76	
		Area in Acre	Production in M tons	Area in Acre	Production in M tons
1	Dhaka	36860	217475	43000	236940
2	Kishoregonj	9880	14400	12000	30855
3	Mymensingh	14890	32610	14430	30280
4	Tangail	2755	5225	3850	7070
5	Faridpur	2240	7420	2500	9605
6	Chittagonj	7990	42995	7260	39205
7	Chittagonj H.T	1750	7505	1805	5740
8	Noakhali	3710	16050	1475	6230
9	Comilla	36890	126570	25070	92645
10	Sylhet	14675	79365	14185	77495
11	Rajshahi	22400	59080	23650	62550
12	Dinajpur	15100	41905	16340	48020
13	Rangpur	25650	118100	25890	117740
14	Bogra	21960	49005	28105	64085
15	Pabna	4385	11390	4650	12100
16	Khulna	3555	12875	6105	25350
17	Bakergonj	3055	10475	3170	11185
18	Patuakhali	145	355	150	330
19	Jessore	2500	8125	2300	7565
20	Kustia	1550	5540	1115	3770
Bangladesh		231940	866465	237050	888760

Estimates of Potato

Table:3.3

Sl No	District Name	1976-77		1977-78		1978-79	
		Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons
1	Dhaka	37135	218920	42100	253945	44215	252570
2	Kishoregonj	10345	37445	11425	40010	11655	35640
3	Mymensingh	10505	26220	12970	30335	8840	20335
4	Jamalpur	0	0	0	0	4030	10050
5	Tangail	3535	9070	4615	12345	6730	17810
6	Faridpur	1365	5030	1350	4605	1340	4380
7	Chittagonj	5935	31665	7100	37845	7065	37780
8	Chittagonj H.T	1045	2950	1095	2945	1100	2895
9	Noakhali	1095	3165	1285	3780	1385	4000
10	Comilla	22250	87015	25800	104985	28215	118280
11	Sylhet	11270	57110	10170	53550	9220	50340
12	Rajshahi	17775	43770	21130	52330	21380	52110
13	Dinajpur	15945	41330	19830	50590	22700	58495
14	Rangpur	18485	60520	23400	80555	26300	93510
15	Bogra	20520	54805	22285	64935	25310	72640
16	Pabna	4150	8705	5500	11975	6400	14370
17	Khulna	4440	16295	4655	16620	5260	20465
18	Bakergonj	2015	7060	3130	11250	3240	11580
19	Patuakhali	90	205	90	205	105	250
20	Jessore	2210	7930	2785	10515	2845	10835
21	Kustia	1090	4510	1455	6090	1555	6620
Bangladesh		191200	723720	222170	849410	238890	894955

Estimates of Potato

Sl No	District Name	1979-80		1980-81		1981-82	
		Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons
1	Bandarban	0	0	0	0	0	0
2	Chittagonj	7020	37592	7085	38030	6985	34580
3	Comilla	24635	102327	31925	145035	35365	188755
4	Khagrachari	0	0	0	0	0	0
5	Noakhali	1845	5844	1975	6490	2080	6790
6	Rangamati	1035	2852	830	2135	1105	3980
7	Sylhet	9545	52332	11385	65800	11410	65945
8	Dhaka	48000	277002	48640	287020	48790	290870
9	Faridpur	1385	4736	1405	5750	1640	5780
10	jamalpur	4095	10239	4310	10855	4705	15735
11	Kishoregonj	10155	27984	9875	27075	10205	27990
12	Mymensingh	8880	20422	8895	20470	8920	20265
13	Tangail	6575	18397	7275	20950	7105	19490
14	Barisal	2535	9092	2700	9810	2760	10130
15	Jessore	3305	13131	3285	13040	4710	31335
16	Khulna	5675	20940	8590	31090	8650	31410
17	Kustia	1645	7043	1600	6575	1715	6955
18	Patuakhali	120	287	145	335	150	355
19	Bogra	24600	70829	26990	78615	26935	79300
20	Dinajpur	22860	60164	22255	63140	22820	67130
21	Pabna	6845	15398	7150	16680	7440	18280
22	Rajshahi	22320	56925	21800	51385	28270	68480
23	Rangpur	25335	89097	24245	82850	24290	84300
Bangladesh		238410	902633	252360	983130	266050	1077855

Estimates of Potato

Table:3.5									
1982-83									
SI No	District Name	Local		HYV		Indian		Total	
		Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons
1	Bandarban	0	0	0	0	0	0	0	0
2	Chittagonj	3280	12868	4005	19703	0	0	7285	32571
3	Comilla	2130	6367	38295	212425	0	0	40425	218792
4	Khagrachari	0	0	0	0	0	0	0	0
5	Noakhali	895	2254	1390	6323	0	0	2285	8577
6	Rangamati	910	3558	90	325	0	0	1000	3883
7	Sylhet	6740	34376	5090	25052	0	0	11830	59428
8	Dhaka	13145	71194	35670	225598	0	0	48815	296792
9	Faridpur	1245	3622	570	2716	0	0	1815	6338
10	jamalpur	2460	6215	2390	9123	0	0	4850	15338
11	Kishoregonj	7585	20140	2995	12199	0	0	10580	32339
12	Mymensingh	7810	16283	1160	4330	0	0	8970	20613
13	Tangail	3100	7420	2490	8355	0	0	5590	15775
14	Barisal	2450	8907	430	1673	0	0	2880	10580
15	Jessore	245	768	4700	32025	0	0	4945	32793
16	Khulna	1850	5980	6455	25996	0	0	8305	31976
17	Kustia	1235	3282	940	4616	0	0	2175	7898
18	Patuakhali	35	84	425	1112	185	522	645	1718
19	Bogra	14700	38963	12950	44100	0	0	27650	83063
20	Dinajpur	12220	37319	9090	36906	0	0	21310	74225
21	Pabna	6240	14826	2070	7366	85	231	8395	22423
22	Rajshahi	15640	37206	8125	22404	0	0	23765	59610
23	Rangpur	10980	42520	13325	42717	4190	11120	28495	96357
Bangladesh		114895	374152	152655	745064	4460	11873	272010	1131089

**Estimates of Potato
1987-1988**

Table:3.10									
Sl No	District Name	Local		HYV		Indian		Total	
		Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons
1	Bandarban	665	3445	150	885	0	0	815	4330
2	Chittagonj	3320	12060	3925	21290	0	0	7245	33350
3	Comilla	2195	7055	43160	244600	0	0	45355	251655
4	Khagrachari	185	380	55	110	0	0	240	490
5	Noakhali	525	1610	2185	9555	0	0	2710	11165
6	Rangamati	210	505	145	580	0	0	355	1085
7	Sylhet	5510	20025	4835	18620	0	0	10345	38645
8	Dhaka	11595	52345	49375	296720	0	0	60970	349065
9	Faridpur	1255	4000	725	3630	0	0	1980	7630
10	jamalpur	2485	7565	3450	14390	0	0	5935	21955
11	Kishoregonj	8025	20725	4155	16430	0	0	12180	37155
12	Mymensingh	6800	15750	1355	5165	0	0	8155	20915
13	Tangail	6675	15880	5785	22140	0	0	12460	38020
14	Barisal	2405	8765	845	3225	0	0	3250	11990
15	Jessore	640	2010	5530	31405	0	0	6170	33415
16	Khulna	705	1595	6520	40545	0	0	7225	42140
17	Kustia	605	1795	2140	7860	115	335	2860	9990
18	Patuakhali	0	0	430	1095	0	0	430	1095
19	Bogra	12505	34440	14315	51725	0	0	26820	86165
20	Dinajpur	14390	42260	12165	46915	475	1200	27030	90375
21	Pabna	4875	12890	3175	12295	0	0	8050	25185
22	Rajshahi	12435	34440	10465	32650	3030	9270	25930	76360
23	Rangpur	11480	28370	16920	55105	0	0	28400	83475
Bangladesh		109485	327910	191805	936935	3620	10805	304910	1275650

**Estimates of Potato
1988-1989**

Table:3.11									
Sl No	District Name	Local		HYV		Indian		Total	
		Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons
1	Bandarban	654	3372	203	874	0	0	857	4246
2	Chittagonj	4347	21157	0	0	0	0	4347	21157
3	Comilla	2217	7120	43183	244653	0	0	45400	251773
4	Khagrachari	0	0	244	561	0	0	244	561
5	Noakhali	352	1005	1733	7133	0	0	2085	8138
6	Rangamati	320	806	164	442	0	0	484	1248
7	Sylhet	7313	23933	4805	18172	0	0	12118	42105
8	Dhaka	1258	3562	35924	244325	0	0	37182	247887
9	Faridpur	1265	3953	755	3750	0	0	2020	7703
10	jamalpur	1243	3484	4572	18906	0	0	5815	22390
11	Kishoregonj	7910	15594	4335	16190	0	0	12245	31784
12	Mymensingh	6302	13045	1581	5916	0	0	7883	18961
13	Tangail	4470	10075	3445	12161	0	0	7915	22236
14	Barisal	2288	9679	2800	2886	0	0	5088	12565
15	Jessore	442	1197	5270	21401	0	0	5712	22598
16	Khulna	160	176	3570	10736	0	0	3730	10912
17	Kustia	730	2210	2245	8899	115	334	3090	11443
18	Patuakhali	0	0	1232	2994	0	0	1232	2994
19	Bogra	21525	52097	8670	28406	0	0	30195	80503
20	Dinajpur	14966	43436	11700	45681	381	987	27047	90104
21	Pabna	10116	30181	3192	10480	0	0	13308	40661
22	Rajshahi	72658	34585	10969	33956	3711	10721	87338	79262
23	Rangpur	8653	17660	13075	40467	0	0	21728	58127
Bangladesh		169189	298327	163667	778989	4207	12042	337063	1089358

Estimates of Potato
1989-1990

Table:3.12

Sl No	District Name	Local		HYV		Indian		Total	
		Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons
1	Bandarban	705	3515	205	750	0	0	910	4265
2	Chittagonj	4425	22120	0	0	0	0	4425	22120
3	Comilla	2210	7100	43595	235065	0	0	45805	242165
4	Khagrachari	190	380	0	0	0	0	190	380
5	Noakhali	150	295	2015	7710	0	0	2165	8005
6	Rangamati	340	860	175	485	0	0	515	1345
7	Sylhet	7200	25195	4695	17200	0	0	11895	42395
8	Dhaka	1240	3760	38510	193360	0	0	39750	197120
9	Faridpur	1290	4040	775	3845	0	0	2065	7885
10	jamalpur	1335	3685	4750	19210	0	0	6085	22895
11	Kishoregonj	8270	16745	4520	13890	0	0	12790	30635
12	Mymensingh	6460	13820	1615	6200	0	0	8075	20020
13	Tangail	4585	12385	3675	13290	0	0	8260	25675
14	Barisal	2300	9720	930	3285	0	0	3230	13005
15	Jessore	535	1610	5695	23760	0	0	6230	25370
16	Khulna	150	165	3605	11300	0	0	3755	11465
17	Kustia	735	2225	2250	8920	110	320	3095	11465
18	Patuakhali	0	0	1320	2990	0	0	1320	2990
19	Bogra	22965	59410	12420	41285	0	0	35385	100695
20	Dinajpur	15680	49625	12375	42260	440	1140	28495	93025
21	Pabna	8850	24355	3380	10665	0	0	12230	35020
22	Rajshahi	13600	36585	11875	38060	3070	8975	28545	83620
23	Rangpur	9215	20125	13655	43995	0	0	22870	64120
Bangladesh		112430	317720	172035	737525	3620	10435	288085	1065680

**Estimates of Potato
2002-2003**

Table:3.25									
SI No	District Name	Local		HYV		Indian		Total	
		Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons
1	Bandarban	1490	5585	275	1355	0	0	1765	6940
2	Chittagong	16120	76325	4800	26495	0	0	20920	102820
3	Comilla	1915	4180	66950	449235	0	0	68865	453415
4	Khagrachari	535	1010	1490	2890	0	0	2025	3900
5	Noakhali	235	785	5765	24075	0	0	6000	24860
6	Rangamati	1775	6015	1290	5115	0	0	3065	11130
7	Sylhet	13130	37930	15855	68875	0	0	28985	106805
8	Dhaka	1625	4660	78610	819900	0	0	80235	824560
9	Faridpur	5775	18900	1435	7585	0	0	7210	26485
10	jamalpur	4250	10800	9490	51635	0	0	13740	62435
11	Kishoregonj	6355	16810	10265	51920	0	0	16620	68730
12	Mymensingh	8470	17610	2590	8080	0	0	11060	25690
13	Tangail	4680	12885	6160	23560	0	0	10840	36445
14	Barisal	2615	8930	6245	31755	0	0	8860	40685
15	Jessore	255	865	12575	103640	0	0	12830	104505
16	Khulna	1815	4435	24425	148185	0	0	26240	152620
17	Kustia	125	375	7635	55345	0	0	7760	55720
18	Patuakhali	415	1025	290	655	0	0	705	1680
19	Bogra	40675	120355	39610	249065	0	0	80285	369420
20	Dinajpur	27510	74825	26230	182300	2395	6335	56135	263460
21	Pabna	4070	12095	3890	12260	0	0	7960	24355
22	Rajshahi	25605	73230	31685	108425	3980	11400	61270	193055
23	Rangpur	12610	26455	60220	399740	0	0	72830	426195
Bangladesh		182050	536085	417780	2832090	6375	17735	606205	3385910

Zilla/Region	2009-10						2010-11						
	Local		HYV		Total		Local		HYV		Total		
	Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons	
20.	Dinajpur Region	27298	129257	140244	992860	167542	1122117	28473	135893	150390	982591	178863	1118484
	Pabna	467	951	1747	5967	2214	6918	469	1329	2252	8810	2721	10139
	Sirajgonj	1619	4404	4403	15788	6022	20192	1801	5886	4693	18502	6494	24388
21.	Pabna Region	2086	5355	6150	21755	8236	27110	2270	7215	6945	27312	9215	34527
	Rajshahi	13497	59953	71882	615867	85379	675820	14778	75942	71705	631587	86483	707529
	Noagaon	19657	86354	27501	152195	47158	238549	22066	107875	27367	191007	49433	298882
	Natore	706	4922	1636	12451	2342	17373	440	1832	2865	22617	3305	24449
	Nawabgonj	771	3009	3418	26397	4189	29406	546	2469	3158	23368	3704	25837
22.	Rajshahi Region	34631	154238	104437	806910	139068	961148	37830	188118	105095	868579	142925	1056697
	Rangpur	9482	31847	125642	986330	135124	1018177	9012	33004	129945	1052317	138957	1085321
	Gaibanda	1251	2929	19302	135107	20553	138036	1345	3256	21350	148111	22695	151367
	Kurigram	1107	4151	13076	87754	14183	91905	1050	3759	14770	102480	15820	106239
	Nilphamari	4713	15900	44655	272047	49368	287947	4520	18073	49140	313329	53660	331402
	Lalmonirhat	1350	5946	10543	63644	11893	69590	1141	3762	12780	63208	13921	66970
23.	Rangpur Region	17903	60773	213218	1544882	231121	1605655	17068	61854	227985	1679445	245053	1741299
BANGLADESH		184168	806171	889678	7124069	1073846	7930240	184301	869787	952891	7456603	1137192	8326390

Zilla/Region		2011-2012						2012-13					
		Local		HYV		Total		Local		HYV		Total	
		Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons
	Rajshahi	12244	59191	72128	713364	84372	772555	12023	57898	74370	725822	86393	783720
	Noagaon	23594	122470	23934	173881	47528	296351	25133	126416	25473	198897	50606	325312
	Natore	477	1596	2289	18274	2766	19870	464	2007	1934	13981	2398	15988
	Nawabgonj	617	2884	2919	20047	3536	22931	487	1998	2388	16561	2875	18559
22.	Rajshahi Region	36932	186141	101270	925566	138202	1111707	38107	188319	104165	955261	142272	1143580
	Rangpur	9140	36110	124098	1083669	133238	1119779	9250	39393	119474	1103763	128724	1143156
	Gaibanda	1275	3980	20624	136485	21899	140465	1994	7973	20510	137300	22504	145273
	Kurigram	960	3313	13168	95337	14128	98650	1232	4535	16240	132933	17472	137468
	Nilphamari	3976	17296	45462	316690	49438	333986	4070	17015	45026	315686	49096	332702
	Lalmonirhat	1150	4571	9340	63246	10490	67817	994	3920	9915	66566	10909	70486
23.	Rangpur Region	16501	65270	212692	1695427	229193	1760697	17540	72836	211165	1756248	228705	1829084
BANGLADESH		179881	837965	883323	7367506	1063204	8205471	177740	812120	919763	7791000	1097503	8603120

SL No	District / Division Name	2013-14					
		Local		HYV		Total	
		Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons
56	Nawabgonj	350	1209	2505	20300	2855	21509
06	Rajshahi Division	98581	500512	281793	2372132	380374	2872644
57	Dinajpur	17421	70874	88870	687109	106291	757983
58	Thakurgaon	4377	18678	72550	556812	76927	575490
59	Panchagar	4335	17567	21305	121842	25640	139409
60	Rangpur	9570	47011	114977	993506	124547	1040517
61	Gaibanda	1319	4399	20793	134080	22112	138479
62	Kurigram	1235	4762	15322	130880	16557	135642
63	Nilphamari	4041	16276	48556	357582	52597	373858
64	Lalmonirhat	1062	4382	8460	55636	9522	60018
07	Rangpur Region	43360	183949	390833	3037447	434193	3221396
BANGLADESH		182531	835318	959196	8114709	1141727	8950027

Table:3.33							
Zila/Division		2014-2015					
		Local		HYV		Total	
		Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons
1	Bandarban	688	2501	142	799	830	3299
2	Chittagong	7306	36634	1968	14536	9274	51170
3	Cox's Bazar	1888	6758	243	1283	2131	8041
4	Comilla	204	668	35742	287430	35946	288098
5	Chandpur	0	0	32215	275878	32215	275878
6	Brahmanbaria	1717	5803	3834	23352	5551	29155
7	Khagrachari	1032	3428	241	1486	1273	4915
8	Noakhali	0	0	456	2008	456	2008
9	Lakshmipur	0	0	884	3876	884	3876
10	Feni	0	0	493	2526	493	2526
11	Rangamati	689	2520	260	1165	949	3685
1	Chittagong Division	13524	58311	76478	614339	90002	672650
12	Sylhet	678	1957	2057	9034	2735	10991
13	Maulavibazar	1428	4851	1739	9737	3167	14587
14	Sunamgonj	775	2375	450	2305	1225	4681
15	Hobigonj	2334	6890	2662	14405	4996	21295
2	Sylhet Division	5215	16073	6908	35481	12123	51555
16	Dhaka	25	36	6512	51953	6537	51989
17	Gazipur	187	669	492	2666	679	3335
18	Manikgonj	53	99	5407	45506	5460	45605
19	Munsigonj	0	0	92365	1223810	92365	1223810
20	Narayangonj	6	18	6655	62372	6661	62389
21	Narsingdi	95	322	2302	12898	2397	13220
22	Faridpur	0	0	711	5287	711	5287
23	Rajbari	0	0	363	2703	363	2703
24	Madaripur	0	0	1578	11368	1578	11368
25	Gopalganj	0	0	480	3715	480	3715
26	Shariatpur	0	0	3615	32275	3615	32275
29	Kishoregonj	3519	11134	6704	41773	10223	52907
32	Tangail	3486	12622	5085	32638	8571	45260
3	Dhaka Division	7371	24899	132269	1528963	139640	1553862
27	Jamalpur	1069	3922	10063	75741	11132	79663
28	Sherpur	1645	6056	10307	80298	11952	86354
30	Netrokona	2614	7948	762	3175	3376	11123
31	Mymensingh	7329	24739	3965	19149	11294	43888
4	Mymensingh Division	12657	42665	25097	178362	37754	221028

Chapter IV

WHEAT



Wheat is one of the most important winter crops.

In this review, we provide an up-to-date and detailed account of wheat research of Bangladesh and the impact that global warming may have on agriculture, especially wheat production. Although flooding is not of major importance or consequence to the wheat crop at present, some perspectives are provided on this stress since wheat is flood sensitive and the incidence of flooding is likely to increase.

Scientific name of Wheat is *Triticum*. It is a cereal grain, (botanically, a type of fruit called acaryopsis) originally from the Levant region of the Near East but now cultivated worldwide.

This grain is grown on more land area than any other commercial food. World trade in wheat is greater than for all other crops combined. Globally, wheat is the leading source of vegetable protein in human food, having higher protein content than other major cereals, maize (corn), and rice. In terms of total production tonnages used for food, it is currently second to rice as the main human food crop and ahead of maize, after allowing for maize's more extensive use in animal feeds. The archaeological record suggests that this first occurred in the regions known as the Fertile Crescent.

Wheat is grown under a wide range of climatic and soil conditions. It however, grows well in clayey loam soils. In Bangladesh it is a crop of Rabi season, requires dry weather and bright sunlight. Well distributed rainfall between 40 and 110 cm is congenial for its growth.



Wheat sown at furrow beds



wheat ear

Wheat normally needs between 110 and 130 days between sowing and harvest, depending upon climate, seed type, and soil conditions (winter wheat lies dormant during a winter freeze). Optimal crop management requires that the farmer have a detailed understanding of each stage of development in the growing plants. In particular, spring fertilizers, herbicides, fungicides, and growth regulators are typically applied only at specific stages of plant development. For example, it is currently recommended that the second application of nitrogen is best done when the ear (not visible at this stage) is about 1 cm in size (Z31 on Zadoks scale). Knowledge of stages is also important to identify periods of higher risk from the climate. Farmers also benefit from knowing when the 'flag leaf' (last leaf) appears, as this leaf represents about 75% of photosynthesis reactions during the grain filling period, and so should be preserved from disease or insect attacks to ensure a good yield.

Harvested wheat grain that enters trade is classified according to grain properties for the purposes of the commodity markets. Wheat buyers use these to decide which wheat to buy, as each class has special uses, and producers use them to decide which classes of wheat will be most profitable to cultivate.

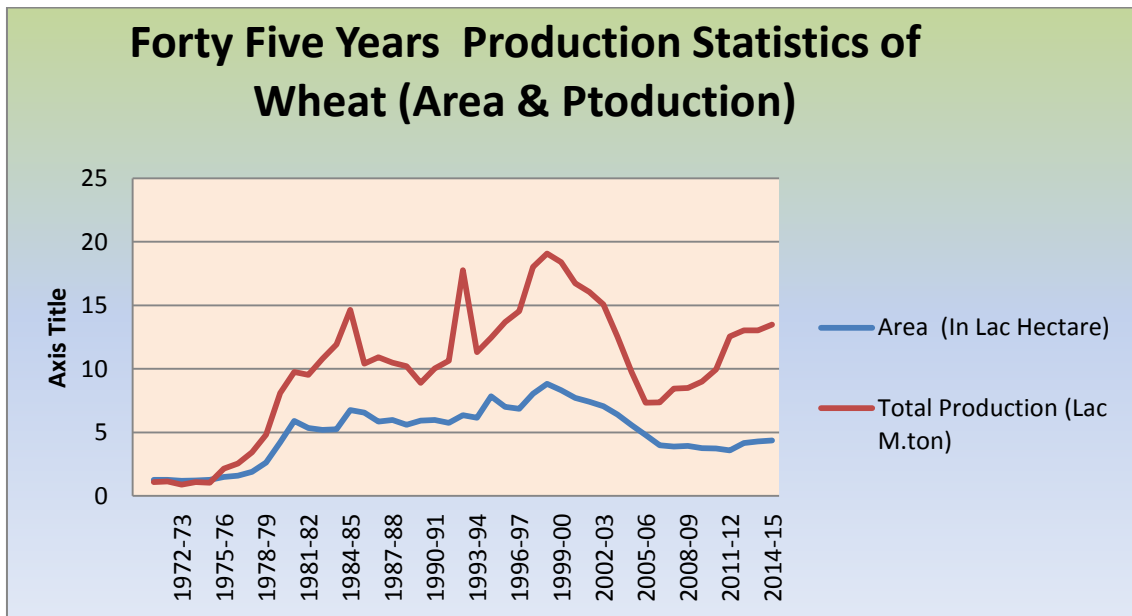
Wheat is widely cultivated as a cash crop because it produces a good yield per unit area, grows well in a temperate climate even with a moderately short growing season, and yields a versatile, high-quality flour that is widely used in baking. Most breads made with wheat flour, including many breads named for the other grains they contain, for example, most rye and oat breads. The popularity of foods made from wheat flour creates a large demand for the grain, even in economies with significant food surpluses

4.1 Forty Five Years Production Statistics of Wheat

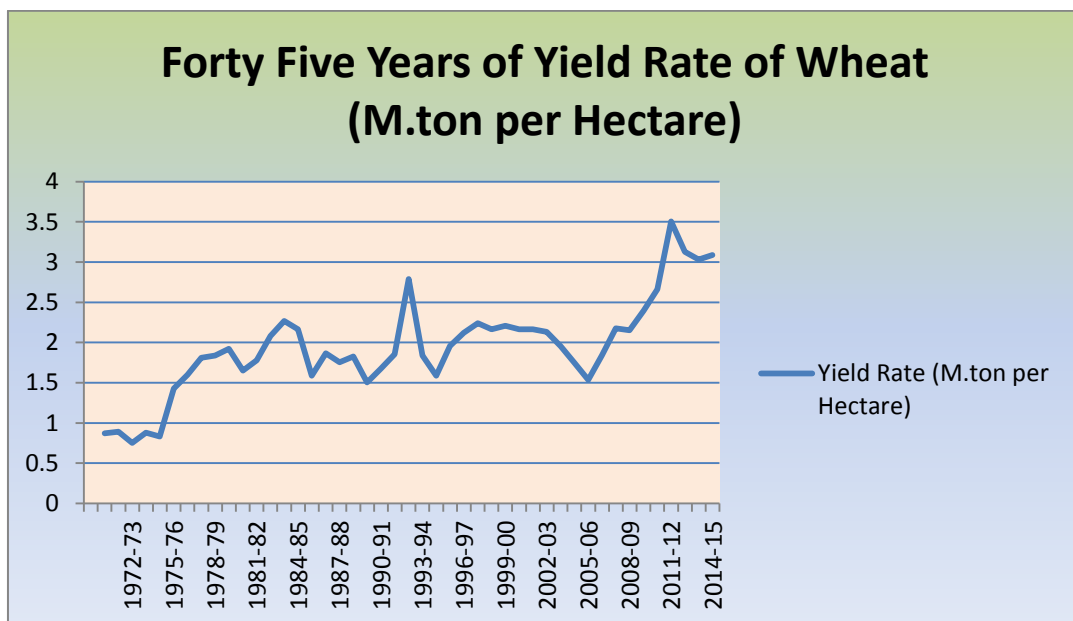
S.I no	Finacial Year	Area (In Acre)	Area (In Lac Hectare)	Total Production (M.ton)	Total Production (Lac M.ton)	Yield Rate (M.ton per Hectare)
1	1970-71	311335	1.26	109879	1.099	0.87
2	1971-72	314460	1.27	113195	1.132	0.89
3	1972-73	296854	1.20	89526	0.895	0.75
4	1973-74	305015	1.23	109179	1.092	0.88
5	1974-75	311439	1.26	104870	1.049	0.83
6	1975-76	370906	1.50	214728	2.147	1.43
7	1976-77	395480	1.60	255358	2.554	1.60
8	1977-78	466870	1.89	342502	3.425	1.81
9	1978-79	648142	2.62	482167	4.822	1.84
10	1979-80	1043500	4.22	809710	8.097	1.92
11	1980-81	1460910	5.91	975255	9.753	1.65
12	1981-82	1319735	5.34	952110	9.521	1.78
13	1982-83	1283370	5.19	1078040	10.780	2.08
14	1983-84	1299755	5.26	1192305	11.923	2.27
15	1984-85	1671060	6.76	1463630	14.64	2.164
16	1985-86	1622170	6.56	1041105	10.41	1.586
17	1986-87	1445000	5.85	1090990	10.91	1.866
18	1987-88	1476290	5.97	1048015	10.48	1.754
19	1988-89	1384030	5.60	1021950	10.22	1.825
20	1989-90	1463060	5.92	890000	8.90	1.503
21	1990-91	1480050	5.99	1004290	10.04	1.677
22	1991-92	1419990	5.75	1065050	10.65	1.853
23	1992-93	1573930	6.37	1775630	17.76	2.788
24	1993-94	1520120	6.15	1131050	11.31	1.839
25	1994-95	1940035	7.85	1244993	12.45	1.586
26	1995-96	1729435	7.00	1369133	13.69	1.956
27	1996-97	1693080	6.85	1454100	14.54	2.122
28	1997-98	1988420	8.05	1802816	18.03	2.240

29	1998-99	2179640	8.82	1908435	19.08	2.164
30	1999-00	2056950	8.32	1839980	18.40	2.210
31	2000-01	1909290	7.73	1673280	16.73	2.166
32	2001-02	1833110	7.42	1605760	16.06	2.165
33	2002-03	1745750	7.06	1506710	15.07	2.133
34	2003-04	1586110	6.42	1253380	12.53	1.953
35	2004-05	1379900	5.58	975985	9.76	1.748
36	2005-06	1183723	4.79	735462	7.35	1.535
37	2006-07	987960	4.00	736893	7.37	1.843
38	2007-08	958347	3.88	844145	8.44	2.177
39	2008-09	975125	3.95	849044	8.49	2.152
40	2009-10	929766	3.76	972085	9.01	2.396
41	2010-11	923470	3.74	901490	9.95	2.663
42	2011-12	884708	3.58	995356	12.55	3.505
43	2012-13	1029268	4.17	1254779	13.03	3.128
44	2013-14	1061602	4.30	1303000	13.03	3.033
45	2014-15	1079411	4.37	1347926	13.48	3.086

4.2 Line Graph of Wheat production and Area from fiscal year 1970-01 to 2014-15



Line Graph of Wheat average yield rate from fiscal year 1970-01 to 2014-15



4.3 The Production, area & yield rate of Aus crops have been shown in table

Estimates of Wheat

Sl No	District Name	1969-1970		1970-71		1971-72	
		Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons
1	Dhaka	15570	5240	15700	5540	15650	5265
2	Kishoregonj	1265	500	1340	530	1370	545
3	Mymensingh	5990	1465	6060	1700	6995	1650
4	Tangail	4525	1460	9640	3920	6270	2155
5	Faridpur	75310	21915	76150	21510	73635	22415
6	Chittagonj	75	30	45	15	5	2
7	Chittagonj H.T	5	2	5	2	5	2
8	Noakhali	775	195	710	185	730	180
9	Comilla	15590	7410	16505	8575	19710	10420
10	Sylhet	255	105	355	140	555	206
11	Rajshahi	38180	14070	39150	14030	44135	16125
12	Dinajpur	6610	2725	6730	2695	2025	610
13	Rangpur	14320	5445	15800	6075	15390	5920
14	Bogra	5645	3085	5690	2720	6210	3370
15	Pabna	60315	20925	61315	21900	60280	22550
16	Khulna	620	205	585	190	775	275
17	Bakergonj	180	85	150	70	370	180
18	Patuakhali	65	20	35	12	20	5
19	Jessore	13415	4720	16490	5825	16875	5325
20	Kustia	37525	13705	38880	14245	43455	15995
Bangladesh		296235	103307	311335	109879	314460	113195

Estimates of Wheat

Table:4.9

Sl No	District Name	1990-91		1991-92		1992-93		1993-94		1994-95		1995-96	
		Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons	Area in Acre	Production in M tons
1	Bandarban	0	0	15	10	120	70	0	0	0	0	0	0
2	Chittagonj	0	0	15	10	30	10	40	20	140	70	260	130
3	Comilla	136430	81130	103040	76730	108410	85210	112450	92250	110500	103900	115590	104110
4	Khagrachari	0	0	0	0	10	10	0	0	0	0	0	0
5	Noakhali	810	210	1080	410	2240	1070	3090	2130	4750	2790	1320	700
6	Rangamati	10	0	40	10	70	60	210	180	150	130	20	20
7	Sylhet	21070	12140	18560	10840	19580	14470	18610	10900	19180	12980	9870	7040
8	Dhaka	79530	50230	76450	61290	79740	57410	77320	57660	80430	59920	84420	69240
9	Faridpur	112820	67550	110100	72980	112350	664380	94180	71850	102500	69060	124690	89640
10	Jamalpur	57450	39270	57910	42060	69420	51160	63340	45340	65180	51870	68810	52450
11	Kishoregonj	26510	17470	31440	23940	33650	25000	34450	24650	32910	23320	35700	26460
12	Mymensingh	30600	20300	25290	19390	33010	23600	31800	22250	29340	19770	35740	24490
13	Tangail	47460	28590	47170	33660	52890	41890	58860	42600	54890	42620	61200	46720
14	Barisal	9850	4790	8860	4660	11450	8380	12430	8620	14900	11140	14380	10150
15	Jessore	106010	74230	103040	75490	122510	98250	125000	95500	148550	133520	161840	141540
16	Khulna	7760	5070	8110	5740	4410	3640	6650	6260	8110	7360	12460	10970
17	Kustia	111310	72380	113200	80530	121100	117590	113260	98710	117410	104130	124770	107540
18	Patuakhali	540	240	190	80	760	220	1250	610	5	3	5	3
19	Bogra	51470	40670	39930	33700	39590	35390	41150	36830	400990	39670	48700	46860
20	Dinajpur	206970	156600	184920	146390	230760	171450	213690	152900	221290	158840	230650	168750
21	Pabna	175500	118640	184190	137770	204580	139110	198610	133510	210980	144590	237860	162300
22	Rajshahi	125510	92290	142500	104670	149520	124400	150310	119220	151210	122480	180590	154100
23	Rangpur	172440	122490	163940	134690	177730	112860	163420	109060	166620	136830	180560	145920
Bangladesh		1480050	1004290	1419990	1065050	1573930	1775630	1520120	1131050	1940035	1244993	1729435	1369133

Estimates of Wheat

Zilla/Region	2008-09		2009-10		2010-11		2011-12	
	Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons
1. Bandarban Region	0	0	0	0	0	0	0	0
Chittagong	25	11	18	8	20	6	18	6
Cox's Bazar	0	0	0	0	0	0	0	0
2 Chittagong Region	25	11	18	8	20	6	18	6
Comilla	12018	7752	7709	5150	6274	5588	6004	4964
Chandpur	7680	4925	5078	3169	3627	3435	4575	4322
Brahmanbaria	15077	8447	18580	10798	16390	11166	14350	9310
3 Comilla Region	34775	21124	31367	19117	26291	20189	24929	18596
4 Khagrachari Region	2	1	0	0	0	0	0	0
Noakhali	66	50	70	61	79	34	88	62
Lakshmipur	200	150	126	116	222	100	203	113
Feni	205	157	187	150	179	124	145	119
5 Noakhali Region	471	357	383	327	480	258	436	294
6 Rangamati Region	65	46	0	0	0	0	0	0
Sylhet	455	382	466	387	500	359	413	335
Maulavibazar	190	117	212	96	215	110	80	53
Sunamgonj	377	321	383	329	370	333	124	96
Hobigonj	1505	1085	1567	1284	1496	1058	672	565
7 Sylhet Region	2527	1905	2628	2096	2581	1860	1289	1049
Dhaka	2805	2306	1517	710	866	1254	715	565
Gazipur	555	447	314	291	402	246	360	273
Manikgonj	5522	4535	5123	2463	3510	3436	2510	1884
Munsigonj	1630	1151	750	416	555	530	370	280
Narayangonj	5232	4505	3725	2286	3462	2597	542	368
Narsingdi	3870	2788	3160	1558	2264	2041	2173	1540
8 Dhaka Region	19614	15732	14589	7724	11059	10104	6670	4910
Faridpur	64253	49359	60366	70752	62597	58653	63811	72338

Zilla/Region		2008-09		2009-10		2010-11		2011-12	
Zilla/Region		Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons
	Rajbari	47904	50282	41767	40692	38754	39350	38090	40535
	Madaripur	11310	8916	10756	9708	8904	10563	8724	10277
	Gopalganj	13466	12466	12218	11438	10666	11753	10420	11964
	Shariatpur	12117	9471	13154	11028	10654	11460	8083	7857
9	Faridpur Region	149050	130494	138261	143618	131575	131779	129128	142971
	Jamalpur	12505	8976	10683	9245	10625	8869	9713	8988
	Sherpur	3475	2733	2572	1803	2299	2330	2398	2235
10	Jamalpur Region	15980	11709	13255	11048	12924	11199	12111	11223
	Kishoregonj	9020	7384	5795	5311	7613	4153	4790	3310
	Netrokona	2690	1770	1905	5052	7599	1320	4490	3139
11	Kishoregonj Region	11710	9154	7700	10363	15212	5473	9280	6449
12	Mymensingh Region	6075	4055	5433	2425	3639	3502	3317	2400
13.	Tangail Region	21465	13341	16702	12678	15842	13341	15275	15058
	Barisal	1841	1361	1896	1321	1938	1161	1922	1426
	Jalakati	37	25	28	7	9	19	14	12
	Perojpur	113	95	55	32	40	45	122	60
	Bhola	6535	6167	4402	6291	6622	3618	6212	6451
14.	Barisal Region	8526	7648	6381	7651	8609	4843	8270	7949
	Jessore	13815	15140	10806	9107	9445	10992	7692	7795
	Jhenaidah	16850	14278	15830	18124	16359	15712	16950	18532
	Magura	22340	19913	19004	20153	20765	18664	20100	20550
	Narail	7896	7346	6144	6374	6350	6045	6151	6082
15.	Jessore Region	60901	56677	51784	53758	52919	51413	50893	52959
	Khulna	475	408	400	327	353	381	306	282
	Bagerhat	297	253	505	454	524	386	533	518
	Satkhira	4179	3563	3120	2479	2534	2778	2748	2739
16.	Khulna Region	4951	4224	4025	3260	3411	3545	3587	3539
	Kustia	32087	26577	27353	35928	31434	27690	33555	45654
	Chuadanga	27260	22824	29740	12836	10814	35846	12870	17222

		2008-09		2009-10		2010-11		2011-12	
		Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons	Area in Acre	Production M tons
	Meherpur	30850	33556	29845	42342	33740	36574	36930	49695
17.	Kustia Region	90197	82957	86938	91106	75988	100110	83355	112571
	Patuakhali	25	21	12	8	13	6	0	0
	Barguna	40	24	0	1	1	0	0	0
18.	Patuakhali Region	65	45	12	9	14	6	0	0
	Bogra	4050	3462	3162	2556	2934	2683	3084	2918
	Joypurhat	4800	4924	4134	3662	4191	3665	3865	3556
19.	Bogra Region	8850	8386	7296	6218	7125	6348	6949	6474
	Dinajpur	67120	54067	55393	53492	52130	55104	42092	46696
	Thakurgaon	108140	95828	116863	142186	125178	127987	114358	144324
	Panchagar	38850	29540	37311	45412	42642	34707	40430	43524
20.	Dinajpur Region	214110	179435	209567	241090	219950	217798	196880	234544
	Pabna	80348	72790	76714	86378	78898	66835	76465	82858
	Sirajgonj	9182	6865	6850	5423	6729	5229	5969	5194
21.	Pabna Region	89530	79655	83564	91801	85627	72064	82434	88052
	Rajshahi	68890	63053	66895	72385	67923	67894	68057	87008
	Noagaon	30180	25505	29618	27687	27687	26213	35775	41798
	Natore	75413	80339	69142	77378	65600	74330	61240	74750
	Nawabgonj	21970	23741	30139	44712	37258	35010	37630	36619
22.	Rajshahi Region	196453	192638	195794	222162	198468	203447	202702	240175
	Rangpur	9753	8501	9203	8162	9149	8275	8241	7577
	Gaibanda	2600	1755	6066	4950	5624	5088	4192	3687
	Kurigram	20520	13603	23767	20031	22547	18488	21534	22466
	Nilphamari	3870	3237	11635	9592	11024	9572	9714	9268
	Lalmonirhat	3040	2355	3398	2891	3392	2782	3504	3139
23.	Rangpur Region	39783	29451	54069	45626	51736	44205	47185	46137
BANGLADESH		975125	849044	929766	972085	923470	901490	884708	995356

Estimates of Wheat

Table:4.13					
SL No	District / Division Name	2012-13		2013-14	
		Area in Acre	Production M tons	Area in Acre	Production M tons
1	Bandarban	0	0	0	0
2	Chittagong	12	8	11	7
3	Cox's Bazar	0	0	0	0
4	Comilla	4140	3933	3475	3226
5	Chandpur	6942	6698	3088	3150
6	Brahmanbaria	13190	12909	4573	3984
7	Khagrachari	0	0	0	0
8	Noakhali	86	62	74	50
9	Lakshmipur	170	97	58	26
10	Feni	135	114	113	122
11	Rangamati	0	0	0	0
01	Chittagong Division	24675	23821	11392	10565
12	Sylhet	367	350	213	190
13	Maulavibazar	200	200	238	214
14	Sunamgonj	104	80	181	134
15	Hobigonj	606	477	1114	921
02	Sylhet Division	1277	1107	1746	1459
16	Dhaka	586	513	743	710
17	Gazipur	333	238	306	205
18	Manikgonj	2710	2348	2191	2037
19	Munsigonj	281	215	138	97
20	Narayangonj	624	426	574	382
21	Narsingdi	3440	2363	1020	811
22	Faridpur	75410	90695	79946	102805
23	Rajbari	42720	51331	41863	49489
24	Madaripur	13833	17045	12820	16510
25	Gopalganj	14285	17991	13980	18097
26	Shariatpur	13894	17550	11895	14270
27	Jamalpur	14725	15005	19776	20485
28	Sherpur	4378	4530	3137	3309
29	Kishoregonj	5220	3650	4110	2878
30	Netrokona	5140	3613	4573	3115
31	Mymensingh	3487	2671	4815	4934
32	Tangail Region	16364	15515	16607	17153
03	Dhaka Division	217430	245699	218494	257287
33	Barisal	2239	1552	2539	1956
34	Jalakati	30	33	126	113
35	Perojpur	125	86	176	173
36	Bhola	6089	7214	6784	8159
37	Patuakhali	0	0	93	39
38	Barguna	0	0	8	3
04	Barisal Region	8483	8885	9726	10443
39	Jessore	11527	13158	10112	12339
40	Jhenaidah	18974	20568	17921	20657
41	Magura	27221	32688	26211	28745
42	Narail	9950	10295	9220	10528
43	Khulna	1370	1102	647	555

Estimates of Wheat

Table:4.13					
SL No	District / Division Name	2012-13		2013-14	
		Area in Acre	Production M tons	Area in Acre	Production M tons
44	Bagerhat	510	473	481	495
45	Satkhira	2546	2493	2672	2626
46	Kustia	40471	52315	41327	49811
47	Chuadanga	14580	19032	13920	18352
48	Meherpur	43130	55108	42836	54524
05	Khulna Division	170279	207232	165347	198632
49	Bogra	4300	4221	4307	4283
50	Joypurhat	3834	3606	3825	3615
51	Pabna	81792	107713	96169	122338
52	Sirajgonj	7411	6656	14695	15370
53	Rajshahi	73957	97422	72822	92475
54	Noagaon	46042	58674	46521	60535
55	Natore	64672	84057	63867	82128
56	Nawabgonj	53512	68573	72637	93108
06	Rajshahi Division	335520	430922	374843	473852
57	Dinajpur	46920	59355	47390	59773
58	Thakurgaon	131570	171940	132739	173319
59	Panchagar	42244	52635	41500	53924
60	Rangpur	6942	7053	8150	9297
61	Gaibanda	5274	5057	8850	8245
62	Kurigram	26033	28064	28066	31188
63	Nilphamari	8800	9204	9734	10806
64	Lalmonirhat	3821	3805	3625	4210
07	Rangpur Region	271604	337113	280054	350762
BANGLADESH		1029268	1254779	1061602	1303000

Estimates of Wheat

Table:4.14						
Zila/Division		2014-2015				
		Area		Yield per		Production (M.Ton)
		Acres	Hectares	Acre	Hectare	
(Maund)	(M.Ton)					
1	Bandarban	0	0	0.00	0.000	0
2	Chittagong	10	4	12.18	1.123	5
3	Cox's Bazar	0	0	0.00	0.000	0
4	Comilla	3433	1389	23.96	2.210	3070
5	Chandpur	2713	1098	29.22	2.695	2959
6	Brahmanbaria	4463	1806	22.74	2.098	3788
7	Khagrachari	1	0	28.01	2.584	1
8	Noakhali	24	10	25.60	2.361	23
9	Lakshmipur	37	15	12.10	1.116	17
10	Feni	101	41	27.85	2.569	105
11	Rangamati	0	0	0.00	0.000	0
1	Chittagong Division	10782	4363	24.77	2.285	9968
12	Sylhet	382	155	19.36	1.786	276
13	Maulavibazar	203	82	24.74	2.282	187
14	Sunamgonj	598	242	20.39	1.881	455
15	Hobigonj	1055	427	21.65	1.997	853
2	Sylhet Division	2238	906	21.20	1.956	1771
16	Dhaka	783	317	24.50	2.260	716
17	Gazipur	213	86	19.66	1.813	156
18	Manikgonj	2802	1134	26.90	2.481	2814
19	Munsigonj	62	25	18.52	1.708	43
20	Narayangonj	560	227	19.01	1.753	397
21	Narsingdi	700	283	23.86	2.201	623
22	Faridpur	81647	33041	34.05	3.141	103773
23	Rajbari	41110	16636	31.45	2.901	48261
24	Madaripur	12067	4883	34.25	3.159	15427
25	Gopalganj	18469	7474	34.55	3.187	23819
26	Shariatpur	10790	4366	34.20	3.155	13774
27	Kishoregonj	3523	1426	19.20	1.771	2525
28	Tangail	15029	6082	28.33	2.613	15893
3	Dhaka Division	187755	75980	32.56	3.004	228222
29	Jamalpur	21090	8535	28.73	2.650	22617
30	Sherpur	2783	1126	27.17	2.506	2822
31	Netrokona	3165	1281	20.60	1.900	2434
32	Mymensingh	3736	1512	24.49	2.259	3415
4	Mymensingh Division	30774	12454	27.24	2.512	31289

Zila/Division		2014-2015				
		Area		Yield per		Production (M.Ton)
		Acres	Hectares	Acre	Hectare	
				(Maund)	(M.Ton)	
33	Barisal	3498	1416	23.93	2.207	3125
34	Jhalakathi	185	75	24.16	2.229	167
35	Perojpur	267	108	26.33	2.429	262
36	Bhola	8354	3381	31.91	2.943	9951
37	Patuakhali	300	121	11.10	1.024	124
38	Barguna	47	19	14.30	1.319	25
5	Barisal Division	12651	5120	28.91	2.667	13654
39	Jessore	7531	3048	33.45	3.085	9403
40	Jhenaidah	17325	7011	34.90	3.219	22570
41	Magura	23732	9604	31.28	2.885	27709
42	Narail	9084	3676	29.27	2.700	9925
43	Khulna	1267	513	27.98	2.581	1323
44	Bagerhat	729	295	29.75	2.744	810
45	Satkhira	3684	1491	28.50	2.629	3919
46	Kushtia	40030	16199	34.80	3.210	51999
47	Chuadanga	16677	6749	35.99	3.320	22404
48	Meherpur	42830	17332	35.75	3.298	57155
6	Khulna Division	162889	65918	34.08	3.144	207217
49	Bogra	4588	1857	26.42	2.437	4525
50	Joypurhat	2653	1074	26.96	2.487	2670
51	Pabna	101845	41214	33.25	3.067	126403
52	Sirajgonj	15614	6319	28.11	2.593	16383
53	Rajshahi	70898	28691	35.40	3.265	93684
54	Noagaon	49799	20153	34.01	3.137	63220
55	Natore	62370	25240	34.88	3.217	81204
56	Nawabgonj	69480	28117	34.77	3.207	90176
7	Rajshahi Division	377247	152664	33.96	3.133	478266
57	Dinajpur	51605	20883	34.47	3.180	66399
58	Thakurgaon	143466	58058	34.98	3.227	187325
59	Panchagar	41170	16661	34.77	3.207	53433
60	Rangpur	8247	3337	31.42	2.898	9672
61	Gaibandha	6491	2627	25.23	2.327	6113
62	Kurigram	28749	11634	33.99	3.135	36475
63	Nilphamari	11866	4802	31.66	2.920	14023
64	Lalmonirhat	3481	1409	31.55	2.910	4099
8	Rangpur Division	295075	119410	34.28	3.162	377541
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